

Task → ③

Write a programme to ~~add~~ enter the sum of two no. , a & b?

```
#include <stdio.h>
#include <conio.h>
void main ()
{
  clrscr ();
  int a, b, c ;
  clrscr ();

  printf (" Enter the two number ");
  scanf ("%d %d", &a, &b);

  c = a + b
  printf (" sum of a and b is %d", c);

  getch ();
}
```

Q.3

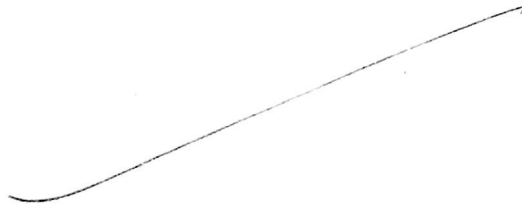
Output

Enter the value of a and b

$$a = 3$$

$$b = 5$$

Sum of a and b is 8



Task → (4)

Write a programme to swap the no using third variable.

```
#include <stdio.h>
#include <conio.h>
void main ()
{
    int a, b, c;
    clrscr ();

    printf ("Enter the numbers ");
    scanf ("%d %d", &a, &b);

    c = a;
    a = b;
    b = c;

    printf ("swap of a and b %d %d", a, b);
    getch ();
}
```

Task → (4)

Write a programme to swap the no using third variable.

```
#include <stdio.h>
```

```
#include <conio.h>
```

```
void main ()
```

```
{
```

```
int a, b, c;
```

```
clrscr ();
```

```
printf ("Enter the numbers ");
```

```
scanf ("%d %d", &a, &b);
```

```
c = a;
```

```
a = b;
```

```
b = c;
```

```
printf ("swap of a and b %d %d", a, b);
```

```
getch ();
```

```
}
```


Task - 4

output

Enter the number

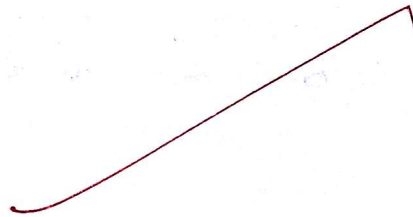
$a = 2$

$b = 4$

After swap

$a = 4$

$b = 2$



Task-5

Q Write a programme to calculate the area of circle and circumference of circle.

```
#include <stdio.h>
#include <conio.h>
void main ()
{
    float radius, circumference, area;
    clrscr ();
    printf ("Enter the radius of circle \n");
    scanf ("%f", & radius);

    printf ("radius = %f", radius);

    circumference = 2 * 3.14 * radius;
    area = 3.14 * radius * radius;

    printf ("circumference of circle is %f \n", circumference);
    printf ("Area of circle is %f \n", area);
    getch ();
}
```


Task - (5)

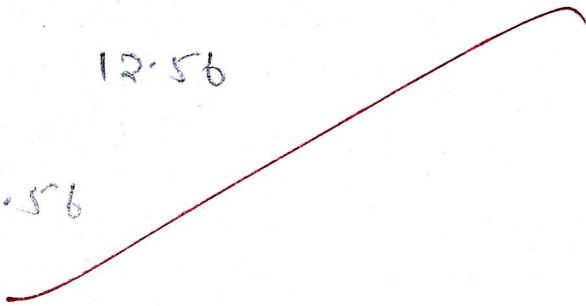
Output

Enter the radius of a circle

$$\text{radius} = 2$$

$$\text{Circumference} = 12.56$$

$$\text{Area} = 12.56$$



Write a programme to show the increment operator?

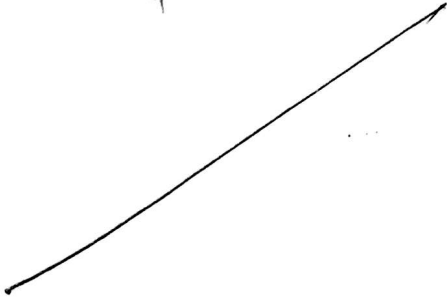
```
#include <stdio.h>
#include <conio.h>
void main()
{
    int j=0;
    while (j<5)
    {
        printf(" %d\n", j);

        j++;
    }
    getch();
}
```

Input → ⑥

output

0
1
2
3
4



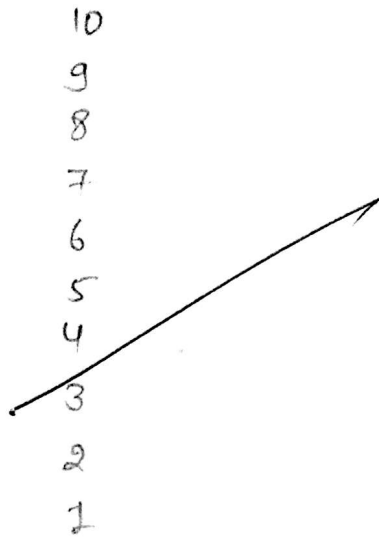
```
}
```

```
getch();
```

```
}
```

Task → (7)

output



8/8/16

Vidhyarthi	
No.	8
Date	

Task - (8)

Write a programme using all arithmetic operation.

```
⇒ #include <stdio.h>
#include <conio.h>
void main ()
{
float x, y, z, a, b, c;
clrscr ();
printf ("Enter the value of x & y \n ");
scanf ("%d %d", &x, &y);

z = x + y;
a = x - y;
b = x * y;
c = x / y;

printf ("add = %d \n", z);
printf ("sub = %d \n", a);
printf ("multi = %d \n", b);
printf ("division = %d \n", c);

getch ();

}
```


Task - 8

Output

Enter the value of x & y

$$x = 2$$

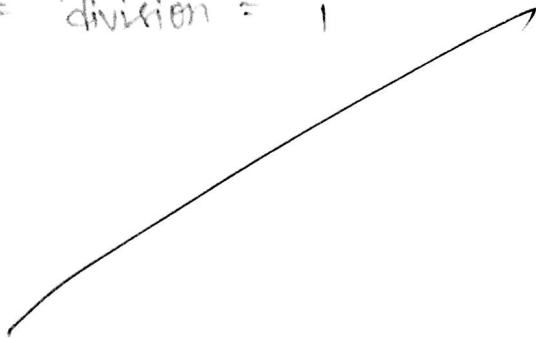
$$y = 2$$

$$z = \text{add} = 4$$

$$a = \text{sub} = 0$$

$$b = \text{multiple} = 4$$

$$c = \text{division} = 1$$



22/8/16

Vidhyarthi	
No.	9
Date	

Task-9

Write a programme to check the negative & positive value.

```
⇒ #include <stdio.h>
#include <conio.h>
void main ()
{
    int x;
    clrscr();
    printf ("Enter any number \n");
    scanf ("%d", &x);

    if (x >= 0)
        printf ("positive");

    else
        printf ("negative");

    getch();
}
```

Midhun
22/8/2016

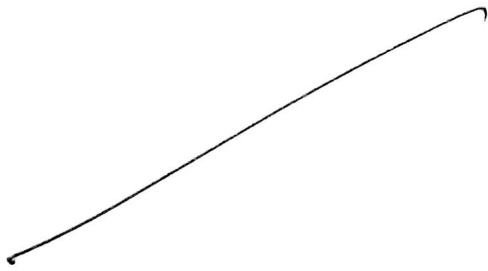
Task - (9)

Output

Enter the number

x = 3

Positive



Task → 10

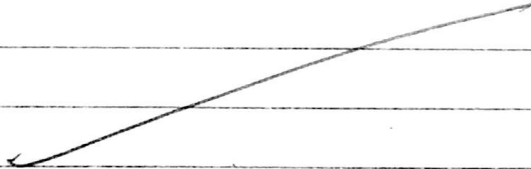
Vidhyarthi	
No.:	_____
Date:	_____

Write a programme to show the logic operator.

```
#include <stdio.h>
#include <conio.h>
void main()
{
    int a = 3, b = 7;
    clrscr();

    printf("a & b is %d", a & b);
    printf("a || b is %d", a || b);
    printf("a ! b is %d", !a);

    getch();
}
```



Task - 10

Output

$a \& \& b$ is 1

$a || b$ is 1

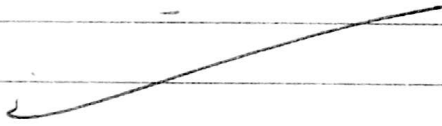
$a ! b$ is 0

Task - 10

Vidhyarthi
No. : _____
Date : _____

Write a programme to show bitwise operators?

```
#include <stdio.h>
#include <conio.h>
void main()
{
    int a = 3;
    int b = 7;
    clrscr();
    printf("a & b is %d\n", a & b);
    printf("a | b is %d\n", a | b);
    printf("~a is %d, ~a\n", ~a);
    getch();
}
```



Task - ①

Output

a & b is 3

a | b is 7

na is -4

11/11/19

21

Task - (12)

No.	Vidhyarthi
Date	

Write a programme to show Bitwise shift operator.

```
→ #include <stdio.h>
#include <conio.h>
void main()
{
    int a = 5, b, c;
    clrscr();
    b = a >> 1;
    c = a << 1;
    printf ("v. d/n", b);
    printf ("v. d/n", c);
    getch();
}
```

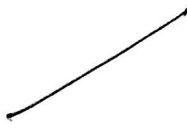


Inputs

output

2

10



Task → (13)

Vidhyarthi
No. _____
Date: 29/8/16

Write a programme to show conditional operator:

```
→ #include <stdio.h>
#include <conio.h>
void main()
{
    int a, b, c, x;
    clrscr();
    printf("Enter the value of a, b, c");
    scanf("%d %d %d\n", &a, &b, &c);

    x = (a > b && a > c) ? a : (b > c) ? b : c;

    printf("maximum value is %d", x);

    getch();
}
```

Vidya
29/8/2016

(R)

Task (13)

Output

Enter the value of a, b, c

1

2

3

x = 3 ✓

Task - (19)

Vidhyarthi
No. :
Date : 29/3/16

Write a programme to show conditional operator using if & else?

```
#include <stdio.h>
#include <conio.h>
void main()
{
    int a, b, c;
    clrscr();
    printf ("Enter the value of a, b, c);
    scanf ("%d %d %d", &a, &b, &c);

    if (a > b)
        printf ("%d", a);

    else if (a > c)
        printf ("%d", a);

    else if (b > c)
        printf ("%d", b);

    else
        printf ("%d", c);

    getch();
}
```

Task → (14)

output

Enter the value of a, b, c

1

2

3

3

Task (15)

Vidhyarthi
No. :
Date : 28/8/16

Write a programme to show the leap year.

```
#include <stdio.h>
#include <conio.h>
void main()
{
    int year;
    clrscr();

    printf("Enter the year\n");
    scanf("%d", &year);

    if (year % 4 == 0)
        printf("year is a leap year", year);

    else if (year % 400 == 0)
        printf("year is a leap year", year);

    else
        printf("year is not a leap year", year);

    getch();
}
```

Task → (14)

...

Task (15)

output

Enter the year

2016

Year is a leap year.

Write a programme to show the gross salary.

```
#include <stdio.h>
#include <conio.h>
void main()
{
    float basic - salary, da, ta, gross - salary;
    clrscr();
    printf("Enter the basic - salary");
    scanf("%f", & basic - salary);

    da = 0.1 * basic - salary;
    ta = 0.12 * basic - salary;

    gross - salary = basic - salary + da + ta;

    printf("gross - salary = %f", gross - salary);

    getch();
}
```


task → (14)

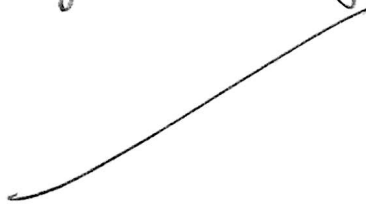
Task (15)

Output

Enter the basic Salary

10,000

gross salary = 12,200



Write a programme to solve for a & b ?

```
#include <stdio.h>
```

```
#include <conio.h>
```

```
void main( )
```

```
{
```

```
int a=10, b;
```

```
clrscr();
```

```
b = ++a + --a + a++ + a--;
```

```
printf ("a=%d b=%d", a, b);
```

```
getch();
```

```
}
```



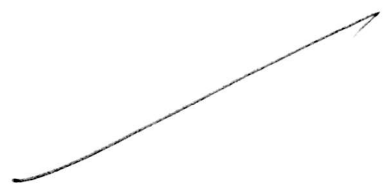
Task → (14)

input

output

$$a = 10$$

$$b = 40$$



Task (12)

Vidhyarthi	
No.:	
Date:	

1) Write a programme to make a mini calculator.

```
→ #include <stdio.h>
#include <conio.h>
void main()
{
    char choice;
    float a, b, add, sub, multiply, division;
    clrscr();
    printf("Enter the choice");
    scanf("%c", &choice);

    printf("Enter the value of a and b");
    scanf("%f%f", &a, &b);

    switch(choice)
    {
        case '+': printf("the sum is %f\n", a+b);
                 break;

        case '-': printf("the subtraction is %f\n", a-b);
                 break;

        case '*': printf("the multiply is is %f\n", a*b);
                 break;

        case '/': printf("the division is %f\n", a/b);
                 break;

        default: printf("Some mistake is there");
    }
    getch();
}
```

26/9/20

Task - (18)

Task - (18)

Output

Enter the choice +

Enter the value of a and b

4 4

~~the sum is 8.000000~~

Task (19)

Vidhyarthi	
No.:	_____
Date:	_____

Q) Write a program to check whether a no. is palindrome or not?

```
→ #include <stdio.h>
#include <conio.h>
void main()
int n, r, result = 0, c;
clrscr();
printf("Enter the number");
scanf("%d", &n);
c = n;
while (n != 0)
{
    r = n % 10;
    result = result * 10 + r;
    n = n / 10;
}

if (c == result)
{
    printf("number is palindrome");
}
else
{
    printf("number is not palindrome");
}
getch();
}
```

Task - (18)

output

Enter the number 121

number is palindrome



Task - (20)

Vidhyarthi
No. : _____
Date : _____

Write a program to check the no. is Armstrong or not?

```
⇒ #include <stdio.h>
#include <conio.h>
void main()
{
    int n, r, result = 0, c;
    clrscr();
    printf("Enter the number");
    scanf("%d", &n);
    c = n;
    while (n != 0)
        result = (result) + (r * r * r);
    n = n / 10;
}
if (c == result)
    printf("number is Armstrong");
else
    printf("number is not Armstrong");
getch();
}
```


output

Enter the number 153

number is Armstrong

Task - (21)

Vidhyarthi
No. : _____
Date : _____

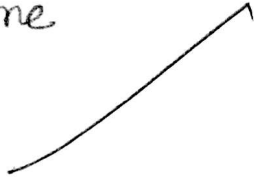
Prog to check whether the no. is prime or not?

```
#include <stdio.h>
#include <conio.h>
void main()
{
    int i, n, k=0, j;
    clrscr();
    printf("Enter the number");
    scanf("%d", &n);
    for (j=1; j<n; j++)
    {
        j = n % j;
        if (j == 0)
            k = k + 1;
    }
    if (k == 1)
    {
        printf("number is prime");
    }
    else
    {
        printf("number is not prime");
    }
    getch();
}
```

Task-21

output

Enter the number 2
number is prime



Map to check given character to vowel or not using switch.

```
#include <stdio.h>
```

```
#include <conio.h>
```

```
void main()
```

```
{
```

```
char choice;
```

```
clrscr();
```

```
printf("Enter the choice");
```

```
scanf("%c", &choice);
```

```
switch(choice)
```

```
{
```

```
case 'a':
```

```
case 'e':
```

```
case 'i':
```

```
case 'o':
```

```
case 'u':
```

```
printf("you entered the choice is vowel");
```

```
break;
```

```
default: printf("your choice is not a vowel");
```

```
}
```

```
getch();
```

```
}
```

Task - (28)

Output

Enter the choice a

You entered the choice is vowel.



Wap to count the number of digit in a number.

```
#include <stdio.h>
#include <conio.h>
void main()
{
    int count = 0, num;
    clrscr();
    printf("Enter the number");
    scanf("%d", & num);
    while (num)
    {
        num = num / 10;
        count ++;
    }
    printf("number is %d", count);
    getch();
}
```

Uday Gow
3/10/2016

output

Enter the number 56

number is 2

