

Vidhyarthi  
No. : 3.  
Date : \_\_\_\_\_

Task → ③

Write a programme to 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 ();
```

```
}
```

Wk 3 ]

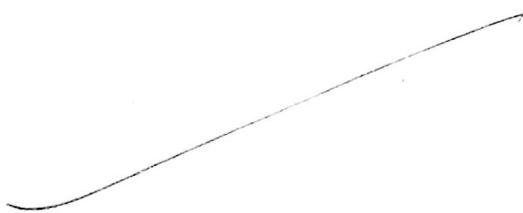
## Output

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

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

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

3

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 number. ");
    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

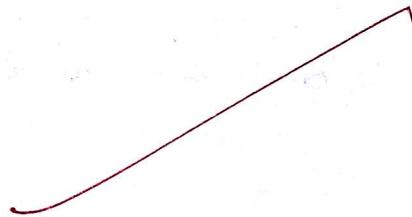
$$a = 2$$

$$b = 4$$

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 =  $2 * 3.14 * \text{radius}$  ;~~
~~area =  $3.14 * \text{radius} * \text{radius}$  ;~~
~~printf ("circumference of circle is %f \n", circumference);~~
~~printf ("Area of circle is %f \n", area);~~
~~getch ();~~
~~3.~~

Task - ⑤

Output

Enter the radius of a circle

$$\text{Radius} = 2$$

$$\text{Circumference} = 12.56$$

$$\text{Area} = 12.56$$

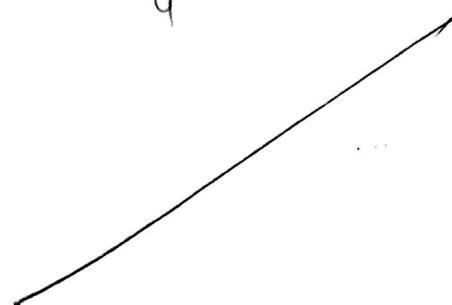
Write a programme to show the increment operator?

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

level → ⑥

Output

0  
1  
2  
3  
4



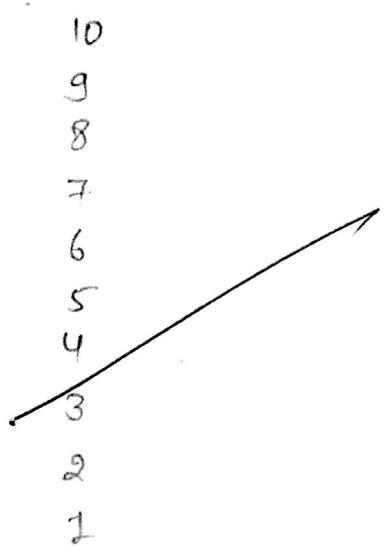
y

getch();

z

Task → ⑦

out put



8/8/16

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 ("% .2f % .2f " , &x , &y ) ;
```

$$\begin{aligned} z &= x + y ; \\ a &= x - y ; \\ b &= x * y ; \\ c &= x / y ; \end{aligned}$$

```
printf (" add = %.2f \n " , z ) ;
printf (" Sub = %.2f \n " , a ) ;
printf (" multi = %.2f \n " , b ) ;
printf (" division = %.2f \n " , c ) ;
```

getch();

3

Task - ⑧

Output

Enter the value of x & y

$$x = 2$$

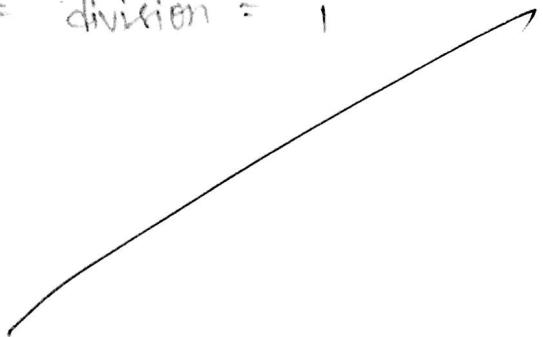
$$y = 2$$

$$z = add = 4$$

$$a = sub = 0$$

$$b = multiple = 4$$

$$c = division = 1$$



8/8/16

No.	Vidhyarthi 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();
}
```

Nishikumar  
2018/2016

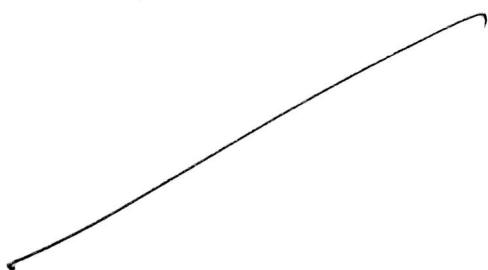
Task - (9)

Output

Enter the number

$x = 3$

Positive



Task → 10)

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();
```

3

Task - 10

Output

a & b is 1

a || b is 1

a ! b is 0



## Task - 10

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");
    getch();
}
```

Task - ⑪

Output

a & b is 3

a | b is 7

na is -4



Task - (12)

Vidhyarthi  
No. \_\_\_\_\_  
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 ("%d\n", b);  
 printf ("%d", c);  
 getch();

3

Task 2

Output

2

10

Task → 13

Write a programme to show conditional operators:

```
→ #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();
```

3

*Diabetes*  
29/8/2016

(A)

Task #13)

Output

Enter the value of a, b, c

1

2

3

$x = 3$



## Task - ⑭

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)

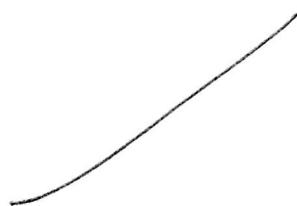
Task (15)

Output

Enter the year

2016

Year is a leap year.



Task - 16

Vidhyarthi  
No. \_\_\_\_\_  
Date : 29/8/11

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();
```~~

3

Task → (14)

Task (16)

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();

3

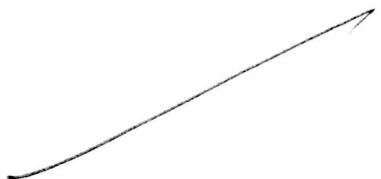
Task → (14)

input

output

$$a = 10$$

$$b = 40$$



## Task - 18.

Vidhyarthi  
No. \_\_\_\_\_  
Date. \_\_\_\_\_

Q) 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 %f\n", a \* b);  
break;

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

default: printf ("Some mistake is there.");

getch();

3

Task - 13

Task - 13

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 C 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 - ⑯

Output

Enter the number 121

number is palindrome



Task - 20

Vidhyarthi  
No. \_\_\_\_\_  
Date: \_\_\_\_\_

(Wp 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

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

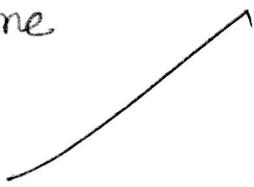
```
#include < stdio.h>
#include < conio.h>
void main()
{
    int i, n, k=0, j;
    clrscr();
    printf(" Enter the number");
    scanf("%d", &n);
    for (j=1; j<n; j++)
    {
        j=n % j;
        if (j == 0)
            k = k+1;
    }
    if (k == 1)
    {
        printf(" number is prime");
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

Task-⑦

Output

Enter the number 2

number is prime



Ques. 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();
```

```
3
```

Task - ②

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();
}
```

*Execution  
31101201<sup>b</sup>*

Output

Enter the number 56

number is 2

