

Q1. Print "your name – SOA University".

Answer:-

```
#include <stdio.h>

int main()

{

    printf("sonali satpathy- SOA university");

    return 0;

}
```

OUTPUT: sonali satpathy- SOA university

Q2. Print your name, mobile number and email id in different lines.

Answer:-

```
#include <stdio.h>

int main()

{

    printf("NAME-sonali satpathy\n");

    printf("Mobile Number-8763198801\n");

    printf("Emailid-sonalisatpathy216@gmail.com\n");

    return 0;

}
```

OUTPUT:

NAME-sonali satpathy

Mobile Number-8763198801

[Emailid-sonalisatpathy216@gmail.com](mailto:sonalisatpathy216@gmail.com)

Q3. Get int, float and char as input, then print the same.

Answer:-

```
#include <stdio.h>

int main()
{
    int integervalue;

    float floatvalue;

    char charactervalue;

    printf("enter integer:\n");

    scanf("%d",&integervalue);

    printf("enter decimal value:\n");

    scanf("%f",&floatvalue);

    printf("enter a character value:\n");

    scanf("%c",&charactervalue);

    printf("\nThe integer value is %d\n",integervalue);

    printf("\nThe float value is %f \n",floatvalue);

    printf(" \nThe character value is %c \n",charactervalue);


    return 0;
}
```

OUTPUT:

enter integer:

9

enter decimal value:

9.8

enter a character value:

s

The integer value is 9

The float value is 9.800000

The character value is sonali

Q4. Find the cube of the given number.

Answer:-

```
#include <stdio.h>

int main()
{
    int x,cube;

    printf("Enter a number:");

    scanf("%d",&x);

    cube=x*x*x;

    printf("\nThe cube of a number %d is %d",x,cube);


    return 0;
}
```

Output:

Enter a number:5

The cube of a number 5 is 125

Q5. Find the sum of five given numbers.

Answer:-

```
#include <stdio.h>

int main() {

    int A,B,C,D,E,SUM;
```

```
printf("Enter five number:");  
  
scanf("%d%d%d%d%d",&A,&B,&C,&D,&E);  
  
SUM=A+B+C+D+E;  
  
printf("Sum of five numbers is=%d",SUM);  
  
return 0;  
  
}
```

Output:-

Enter five number:5 6 7 8 9

Sum of five numbers is=35

Q6. Find a student average mark given mark1 and mark2.

Answer:-

```
#include <stdio.h>  
  
int main()  
{  
  
    float mark1,mark2,average;  
  
    printf("enter mark1and mark2:");  
  
    scanf("%f%f",&mark1,&mark2);  
  
    average=mark1+mark2/2;  
  
    printf("average mark is %f",average);  
  
    return 0;  
  
}
```

Output:-

enter mark1and mark2:50

80

average mark is 90.000000

Q. 9. swap two numbers with third variable.

Answer:-

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

```
int main()
```

```
{
```

```
    int x,y,z;
```

```
    printf("enter first number:");
```

```
    scanf("%d",&x);
```

```
    printf("enter second number:");
```

```
    scanf("%d",&z);
```

```
    printf("\nbefore swapping first number=%d \nsecond number=%d\n",x,z);
```

```
    y=x;
```

```
    x=z;
```

```
    z=y;
```

```
    printf("\nafter swapping first number=%d \n second number=%d\n",x,z);
```

```
    return 0;
```

```
}
```

Output:-

enter first number:67

enter second number:90

before swapping first number=67

second number=90

after swapping first number=90

second number=67

Q10. swap two numbers without third variable (By + and – (or) By * and /).

Answer:-

```
#include <stdio.h>

int main()
{
    int x,y;

    printf("enter first number:");

    scanf("%d",&x);

    printf("enter second number:");

    scanf("%d",&y);

    printf("\nbefore swapping first number=%d \nsecond number=%d\n",x,y);

    x=x+y;

    y=x-y;

    x=x-y;

    printf("\nafter swapping first number=%d \n second number=%d\n",x,y);

    return 0;
}
```

Output:-

```
enter first number:45

enter second number:67

before swapping first number=45

second number=67

after swapping first number=67

second number=45
```

Q8. You had bought a nice shirt which cost Rs.29.90 exclusive of 15% discount. Count the discounted price for the shirt.

Answer:-

```
include<stdio.h>

int main()

{

Float disc=0.15,cst=29.00,dp,netp;

dp=29.00*dp;

netp=29.00-dp;

printf("net price for shirt is %f:",netp);

return 0;

}
```

Output:-

Nett price for shirt is :24.650000

Q 7. Calculate the total fine charged by library for late-return books. The charge is 0.20 INR for 1 day.

```
#include<stdio.h>

Intmain()

{

    Int isd, rtd, td,x,y,z,chg;

    Printf("Enter issued date, return date,today:");

    Scanf("%d%d%d",&isd,&rtd,&td);

    x=rtd-isd;

    y=td-isd;

    z=y-x;

    chg=z*0.20;

    printf("total fine charged is %d:",chg);

    return 0;}
```

output:

enter issued date, return date,today: 2,17,27

total fine charged is: 2