

## ASSIGNMENT 2 ANSWER

NAME –ABHISEK DAS

REGD NO- 2061020020

1. Print “your name – SOA University”.

### Program:-

```
#include <stdio.h>
int main()
{
    printf("ABHISEK DAS - SOA UNIVERSITY");
    return 0;
}
```

### Output:-

ABHISEK DAS - SOA UNIVERSITY

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

### Program:-

```
#include <stdio.h>
int main()
{
    printf("Abhisek Das\n");
    printf("9938503312\n");
    printf("aworldabhi@gmail.com\n");
    return 0;
}
```

### Output:-

Abhisek Das

9938503312

[aworldabhi@gmail.com](mailto:aworldabhi@gmail.com)

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

### **Program:-**

```
#include <stdio.h>
int main()
{
    int integer;
    char character;
    float floatno;
    printf("enter character:");
    scanf("%c",&character);
    printf("enter integer :");
    scanf("%d",&integer);
    printf("enter float :");
    scanf("%f",& floatno);
    printf("character is:%c\n",character);
    printf("interger is:%d\n",integer);
    printf("float is:%f\n",floatno);
    return 0;
}
```

### **Output:-**

```
enter character:a
enter integer :2
enter float :10.5
character is:a
interger is:2
```

float is:10.500000

4.Find the cube of the given number.

**Program:-**

```
int main ()
{
int number,cube;
printf("enter a number:");
scanf("%d",&number);
cube= number*number*number;
printf("cube of number:%d",cube);
return 0;
}
```

**Output:-**

```
enter a number:6
cube of number:216
```

5.Find the sum of five given numbers.

**Program:-**

```
#include<stdio.h>

int main ()

{

float num1,num2,num3,num4,num5,sum;

printf("enter num1:");

scanf("%f",&num1);

printf("enter num2:");

scanf("%f",&num2);

printf("enter num3:");

scanf("%f",&num3);

printf("enter num4:");

scanf("%f",&num4);

printf("enter num5:");

scanf("%f",&num5);

sum=(num1+num2+num3+num4+num5);

printf("sum of five num is:%f",sum);

return 0;

}
```

**Output:-**

enter num1:1

enter num2:2

enter num3:3

enter num4:4

enter num5:5

sum of five num is:15

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

**Program:-**

```
#include<stdio.h>

int main ()
{
    float mark1,mark2;
    float Total,Average;
    printf("enter mark1:");
    scanf("%f",&mark1);
    printf("enter mark2:");
    scanf("%f",&mark2);
    Total= mark1+mark2;
    Average= Total/2;
    printf("Averagemarks is :%f",Average);
    return 0;
}
```

**Output:-**

enter mark1:35

enter mark2:45

Average marks is :40

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

**Program:-**

```
#include<stdio.h>

int main ()
{
    int firstdate,lastdate,days;

    float totalcharge,chargefor1day=0.20;


    printf("enter first date:");
    scanf("%d",&firstdate);

    printf("enter last date:");
    scanf("%d",&lastdate);


    days=lastdate - firstdate;

    totalcharge = chargefor1day * days;

    printf("total charge is :%f",totalcharge);

    return 0;
}
```

**Output:-**

```
enter first date:2
enter last date:20
```

total charge is :3.600000

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

**Program:-**

```
#include <stdio.h>

int main()
{
    float cost=29.90,discout=0.15;
    float discountprice,discountedprice;
    discountprice=cost*discout;
    discountedprice=cost-discountprice;
    printf("discountprice is %f\n",discountprice);
    printf("discountedprice of shirt:%f",discountedprice);
    return 0;
}
```

**Output:-**

discountprice is 4.485000

discountedprice of shirt :25.414999

9. Swap two numbers with third variable?

**Program:-**

```
#include <stdio.h>

int main()
{
    int A,B,C;

    printf("ENTER THE VALUE OF A:");
    scanf("%d",&A);
    printf("ENTER THE VALUE OF B:");
    scanf("%d",&B);

    C=A;
    A=B;
    B=C;

    printf("after swapping first no A:%d\n",A);
    printf("after swapping second no B:%d",B);

    return 0;
}
```

**Output:-**

ENTER THE VALUE OF A:2



ENTER THE VALUE OF B:5

after swapping first no A:5

after swapping second no B:2

10. swap two numbers without third variable (By + and - (or) By \* and /)

**Program:-**

```
#include <stdio.h>

int main()
{
    int A,B;

    printf("ENTER THE VALUE OF A:");
    scanf("%d",&A);
    printf("ENTER THE VALUE OF B:");
    scanf("%d",&B);

    A=A+B;
    B=A-B;
    A=A-B;

    printf("after swapping first no A:%d\n",A);
    printf("after swapping second no B:%d",B);

    return 0;
}
```

**Output:-**

ENTER THE VALUE OF A:4

ENTER THE VALUE OF B:5

after swapping first no A:5

after swapping second no B:4