

Assignment 2

Q1.//Print "Your name-SOA University"//

```
#include <stdio.h>
int main()
{
printf("Name:- Somya Kanta Pattanaik-SOA University");
return 0;
}
//Output:-
Name:- Somya Kanta Pattanaik-SOA University
//
```

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

```
#include <stdio.h>
int main()
{
printf("Your Name- Somya Kanta Pattanaik\n Mobile Number:-7978790299\n emailID-
skpattanaik5521@gmail.com");
return 0;
}
//Output:-
Your Name- Somya Kanta Pattanaik
Mobile Number:-7978790299
emailID- skpattanaik5521@gmail.com //
```

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

```
#include <stdio.h>
int main()
{
int a;
float b;
char ch='s';
printf("Enter the value of a:");
scanf("%d",&a);
printf("Enter the value of b:");
scanf("%f",&b);
printf("The result of a is:%d\n",a);
printf("The result of b is:%f\n",b);
printf("The result of ch is:%c",ch);
return 0;
}
//output:-
Enter the value of a:12
Enter the value of b:34.78
The result of a is:12
The result of b is:34.779999
The result of ch is:s
//
```

```

Q.4 // Find the cube of the given number//
#include <stdio.h>
int main()
{
float a,res;
printf("Enter the value for a:");
scanf("%f",&a);
    res=a*a*a;
printf("The cube of the given number is:%f",res);
return 0;
}
//Output:-
Enter the value for a: 2
The cube of the given number is: 8//

```

```

Q.5 //Find the sum of five given number//
#include <stdio.h>
int main()
{
int a,b,c,d,e,res;
printf("Enter the value for a:");
scanf("%d",&a);
printf("Enter the value for b:");
scanf("%d",&b);
printf("Enter the value for c:");
scanf("%d",&c);
printf("Enter the value for d:");
scanf("%d",&d);
printf("Enter the value for e:");
scanf("%d",&e);
res=a+b+c+d+e;
printf("The sum of given 5 number is:%d",res);
return 0;
}
//output:-
Enter the value for a:2
Enter the value for b:3
Enter the value for c:4
Enter the value for d:5
Enter the value for e:6
The sum of given 5 number is:20//

```

```

Q.6 //Find a student average mark given mark1 and mark2//
#include <stdio.h>
int main()
{
int mark1,mark2,sum;
float avg;
printf("Enter the value of mark1:");

```

```
scanf("%d",&mark1);
printf("Enter the value of mark2:");
scanf("%d",&mark2);
sum=mark1+mark2;
avg=sum/2;
printf("The sum of 2 mark is:%d\n",sum);
printf("The avg of mark:%f",avg);
return 0;
}
//Output:-
Enter the value of mark1:12
Enter the value of mark2:14
The sum of 2 mark is:26
The avg of mark:13.00//
```

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>
int main() {
    int ld;
    float fine;
    printf("Enter the day you return late the books:");
    scanf("%d",&ld);
    fine=ld*(0.20);
    printf("The total fine charged by library for late return book is:%f",fine);
    return 0;
}
//Output:
Enter the day you return late the books:2
The total fine charged by library for late return book is:0.400000//
```

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

```
#include <stdio.h>
int main() {
    float x=29.90,y;
    y=(29.90*100)/85;
    printf("The new price for the shirt is:%f",y);
    return 0;
}
//Output:
The new price for the shirt is:35.176472 //
```

Q.9 //Swap two numbers with third variable//

```
#include <stdio.h>
int main() {
    int a,b,temp;
    printf("Enter the value for a & b:");
    scanf("%d %d",&a,&b);
    temp=a;
```

```

a=b;
b=temp;
printf("Display the value of a & b after swap:%d %d",a,b);
return 0;
}
// Output:
Enter the value for a & b:12 13
Display the value of a & b after swap:13 12
//

```

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

```

#include <stdio.h>
int main() {
    int a,b;
    printf("Enter the value for a & b:");
    scanf("%d %d",&a,&b);
    a=a+b;
    b=a-b;
    a=a-b;
    printf("Display the value of a & b after swap:%d %d",a,b);
    return 0;
}
//Output:
Enter the value for a & b:12 13
Display the value of a

```