Question no 1 :-

Print "Your name -SOA University".

INPUT:-

// Online C compiler to run C program online

#include <stdio.h>

```c
int main() {
    // Write C code here
    printf("your name-SOA UNIVERSITY");

    return 0;
}
```

OUTPUT:-

/tmp/xo1yOHrzid.o

your name-SOA UNIVERSITY.

Question no 2:-

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

Ans:- // Online C compiler to run C program online

#include <stdio.h>

int main() {

    // Write C code here

    Print f("your name-Ashish Kumar purohit\n mobile number-8179784869\n email id-ashish.p2505@gmail.com");

    return 0;

}

Output:-

/tmp/xo1yOHrzid.o

your name-Ashish Kumar purohit

 mobile number-8179784869

 email id-ashish.p2505@gmail.com

Question no3:-

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

```
#include<stdio.h>
Int main(){
Char a(100);
Int b;
Int c;
Print f("enter the integer value:");
Scan("%d",&b);
print (Enter the decimal value:");
Scanf ("%f",&c);
Print f("enter the character value:");
Scan ("%s" & a);
Print("\t entered values\n integer-%d\n decimal-%d\n character-%s" b, c, a);
Return 0;
}
```

Output:

 Enter the integer value :123

 Enter the decimal value :123.00

Enter the character value:hello

entered values

 integer-123

 decimal-123.0000

character-hello

4.find the cube of given number.

```c
#include <stdio.h>
int main() {
 int number,cube;
 printf("enter a number:");
 scanf("%d",&number);
 cube=number*number*number;
 printf("cube of a number is %d",cube);
return 0;
 }
```

 Output: enter a number:2
cube of a number is 8

5.find the sum of five given numbers.

```c
#include<stdio.h>
 int main() {
 int number1, number2,number3,number4,number5,sum;
 printf(" Enter five integer values ");
 scanf("%d %d %d %d %d", &number1, &number2, &number3, &number4, &number5);
sum = number1 + number2 + number3 + number4 + number5;
printf(" Sum of the five integer values is %d", sum);
 return 0;
 }
```

Output:

Enter five integer values 2 3 4 5 6

Sum of the five integer values is 20

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

```c
#include<stdio.h>
 int main() {
float marks1, marks2, average;
 printf("Enter mark 1 :");
scanf("%f", &marks1);
 printf("Enter mark 2 :");
 scanf("%f", &marks2);
average = (marks1 + marks2) / 2;
 printf("Average : %0.2f\n", average); return 0;
 }
```

 Output:

 Enter mark 1 :50

 Enter mark 2 :80

Average : 65.00

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

```c
#include <stdio.h>
int main() {
 double fine=0.20; int n;
printf("Enter the number of days late");
 scanf("%d",&n);
 fine=0.20*n;
 printf("total fine=%f" ,fine);
return 0;
}
```

Output:

Enter the number of days late 20

20

total fine=4.000000

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

```c
#include <stdio.h>
int main() {
 float cost=29.90;
float discount=0.15;
 float discounted_cost,idc;
 idc=cost*discount;
 discounted_cost=cost-idc;
 printf("The discounted cost price for the shirt is: %0.2f INR",discounted_cost);
 return 0;
 }
```

Output:

The discounted cost price for the shirt is: 25.41 INR

9.Swap two numbers with third variable.

```c
#include <stdio.h>
int main() {
 int a, b, temp;
 printf("Enter two numbers a and b ");
 scanf("%d %d", &a, &b);
 temp = a; a = b;
b = temp;
printf("\n After swapping \na = %d\nb = %d\n", a, b);
 return 0;
}
```

 Output:

 Enter two numbers a and b 15 18

 After swapping

a = 18

b = 15

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

```c
#include<stdio.h>
int main() {
int a, b;
printf("Enter two numbers a and b \n");
scanf("%d %d",&a ,&b);
printf("\n Before swapping a = %d and b =%d", a, b);
a = a * b;
b = a / b;
a = a / b;
printf("\n After swapping a = %d and b =%d", a, b);
return 0;
}
```

Output:

Enter two numbers a and b

5 10

Before swapping a = 5 and b =10

After swapping a = 10 and b =5