// Q1: Print "your name - SOA university".

```c
#include<stdio.h>
int main()
{
 printf("Shreetik Sahani - SOA university");
 return 0;
}
```

Output:

Shreetik Sahani - SOA university

// Q2: Print your name, mobile number and E-mail id in different lines.

```c
#include<stdio.h>
int main()
{
 printf("Name::Shreetik Sahani \n\n Phone No::7381949202 \n\n Email-id::shreetikkumar@gmail.com");
 return 0;
}
```

Output:

Name::Shreetik Sahani

 Phone No::7381949202

 Email-id::shreetikkumar@gmail.com

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

```c
#include<stdio.h>
int main()
{
 int a = 7;
 float b = 1.5;
 char c = 'S';

 printf("int value = %d \n",a);
 printf("float value = %g \n",b);
 printf("char value = %c",c);

  return 0;
}
```

Output:

int value = 7

float value = 1.5

char value = S

// Q4: Find the cube of given number.

```c
#include<stdio.h>
int main()
{
 int a , cube;
 printf("Enter a number :: ");
 scanf("%d",&a);
 cube = a * a * a;
 printf("Cube of the given number is :: %d",cube);


  return 0;
}
```

<u>Output:</u>

Enter a number :: 7

Cube of the given number is :: 343

// Q5: Find the sum of five given numbers.

```c
#include<stdio.h>
int main()
{
 int num1,num2,num3,num4,num5 , sum;
 printf("Enter five numbers :: ");
 scanf("%d%d%d%d%d",&num1,&num2,&num3,&num4,&num5);
 sum = num1 + num2 + num3 + num4 + num5;
 printf("sum of the given five numbers is :: %d",sum);


  return 0;
}
```

Output:

Enter five numbers :: 8

9

44

8

9

sum of the given five numbers is :: 78

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

```c
#include<stdio.h>
int main()
{
  int m1,m2,sum;
  float avg;
 printf("Enter Mark1::\t");
  scanf("%d",&m1);
  printf("Enter Mark2::\t");
  scanf("%d",&m2);
  sum = m1 + m2;
  avg = sum / 2;
  printf("Student average mark is %f",avg);

  return 0;
}
```

Output:

Enter Mark1::   14

Enter Mark2::   16

Student average mark is 15.000000

// Q7: Calculate the total fine charged by library for late return books. the charge is 0.20 INR per day.

```c
#include<stdio.h>
int main()
{
  int actualReturnDate, lateReturnDate,result;
  float fine;

  printf("Enter the actual return date of the book in dd format ::\t");
  scanf("%d",&actualReturnDate);
  printf("Enter the late return date of the book in dd format ::\t");
  scanf("%d",&lateReturnDate);

  result = lateReturnDate - actualReturnDate;
  fine = result * 0.20;
  printf("Total fine charge for late return is %f",fine);
  return 0;
}
```

Output:

Enter the actual return date of the book in dd format ::   9

Enter the late return date of the book in dd format ::   13

Total fine charge for late return is 0.800000

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

```c
#include<stdio.h>

int main()
{

float sprice =29.90, discount,finalPrice;

discount = sprice * 15 / 100 ;

finalPrice = sprice - discount ;

printf("Discounted price of the shirt is :: %g",finalPrice);


 return 0;
}
```

<u>Output:</u>

Discounted price of the shirt is :: 25.415

// Q9: Swap two numbers with third variable.

```c
#include<stdio.h>

int main()
{

int a,b,c;

printf("Enter two number which you want to swap :: ");

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

printf("before swap :: %d , %d \n",a,b);

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

printf("After swap :: %d , %d",a,b);


  return 0;
}
```

Output:

Enter two number which you want to swap :: 8
9
before swap :: 8 , 9
After swap :: 9 , 8

// Q10: Swap two numbers without third variable.

```c
#include<stdio.h>

int main()
{

int a,b;

printf("Enter two number which you want to swap :: ");

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

printf("before swap :: %d , %d \n",a,b);

a = a + b;
b = a - b;
a = a - b;

printf("After swap :: %d , %d",a,b);


  return 0;
}
```

Output:

Enter two number which you want to swap :: 8
9
before swap :: 8 , 9
After swap :: 9 , 8