1) Print “your name – SOA University”.

```
#include <stdio.h>
int main()
{
Printf(“Biswajeet Mohanty-SOA University”);
return 0;
}
```

Output:
Biswajeet Mohanty-SOA University

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

```
#include <stdio.h>
int main()
{
Printf(“Name- Biswajeet Mohanty\n”);
Printf(“Mobile No- 7809190332\n”);
Printf(“email id- biswmohanty@gmail.com”);
return 0;
}
```

Output:
Name- Biswajeet Mohanty
Mobile No- 7809190332
email id- biswmohanty@gmail.com

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

```
#include <stdio.h>
int main()
{
int integer;
char character;
float inputfloat;

printf(“ please enter a character :  \n”);
scanf(“%c”, &character);
printf(“please enter an integer value :  \n”);
scanf(“%d”,&integer);
printf(“please enter float value  :  ”);
```

```
scanf("%f", &inputfloat);

printf(" \n the integer value that you entered is : %d", integer);
printf(" \n the character that you entered is : %c", character);
printf("\n the float value that you entered is : %f", inputfloat);
return 0;
}
```

Output:

```
Please enter a character : s
Please enter an integer value : 125
Please enter float value : 16.568975

the integer value that you entered is : 125
the character that you entered is : s
the float value thatyou entered is : 16.568975
```

4) Find the cube of the given number.

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

Output:

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

5) Find the sum of five given numbers.

```
#include <stdio.h>
int main() {
int a, b, c, d, e, sum;
Printf("enter the 5 numbers : ");
Scanf("%d%d%d%d%d"&a,&b,&c,&d,&e);
Sum=a+b+c+d+e;
```

```
Printf("\n sum is : "sum);
return 0;
}
```

Output:

```
enter the 5 numbers : 1 2 3 4 5
sum is : 15
```

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

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

Output:

```
enter mark1 : 12
enter mark2 : 13
average of 12 and 13 is : 12.50
```

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()
{
float n, t;
const float c=0.20;
Printf("enter number of days of late return \n");
Scanf("%f", &n);
t=n*c;
printf("the total fine charged is : %f INR", t);
return 0;
```

```
}
```
output:
enter number of days of late return 4
the total fine charged is : 0.8 INR

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 cost=29.90;
float discount=0.15;
float discount cost, idc;
idc=cost*discount;
discounted cost=cost-idc;
printf("the discounted cost price for the shirt is:%f INR", discounted cost);
return 0;
}
```

Output:
The discounted cost price for the shirt is:25.414999 INR

9) Swap two numbers with third variable.

```
#include <stdio.h>
int main()
{
int a, b, temp;
printf("\n type any two numbers to swap: \n");
scanf("%d%d", &a, &b);
printf("before swapping\n first number=%d\n second number=%d\n", a, b);
temp=a;
a=b;
b=temp;
printf("after swapping\n first number=%d\n second number=%d\n", a, b);
return 0;
}
```

Output:
type any two numbers to swap: 23 45

```
before swapping
first number=23
second number=45
after swapping
first number=45
second number=23
```

10) Swap two numbers without third variable.

```
#include <stdio.h>
int main()
{
int a=10, b=20;
printf("before swap a=%d b=%d", a, b);
a=a+b;
b=a-b;
a=a-b;
printf("\n after swap a=%d b=%d", a, b);
return 0;
}
Output:
before swap a=10 b=20
after swap a=20 b=10
```