

# Practical 1

1.

```
printf("my name is shehan\n");  
printf("my school id w.h.c\n");
```

```
my name is shehan  
my school id w.h.c  
  
Process returned 0 (0x0)   execution time : 0.079 s  
Press any key to continue.
```

2.

```
printf("*\n");  
printf("**\n");  
printf("***\n");  
printf("****\n");  
printf("*****\n");
```

```
*  
**  
***  
****  
*****  
  
Process returned 0 (0x0)   execution time : 0.078 s  
Press any key to continue.
```

3.

```
float a;  
int b;  
char c;  
double d;  
printf("enter a float number :");  
scanf("%f",&a);  
printf("enter a integer number :");  
scanf("%d",&b);  
printf("enter a char number :");  
scanf("%s",&c);  
printf("enter a double number :");  
scanf("%lf",&d);  
printf("float number :%f\n",a);  
printf("integer number :%d\n",b);  
printf("char is :%c\n",c);  
printf("double value :%lf\n",d);
```

```

enter a float number :2.5
enter a integer number :6
enter a char number :c
enter a double number :46.25
float number :2.500000
integer number :0
char is :c
double value :46.250000

Process returned 0 (0x0)   execution time : 11.700 s
Press any key to continue.

```

4.

```

int a,b;
printf("enter the first number: ");
scanf("%d",&a);
printf("enter the second number:");
scanf("%d",&b);
printf("the total value is:%d\n",a+b);

```

```

enter the first number: 4
enter the second number:6
the total value is:10

Process returned 0 (0x0)   execution time : 3.697 s
Press any key to continue.

```

5.

```

float a,b,avg,tot;
printf("enter the first number: ");
scanf("%f",&a);
printf("enter the second number:");
scanf("%f",&b);
tot=a+b;
avg=tot/2;
printf("the average value is:%f\n",avg);

```

```
enter the first number: 2
enter the second number:4
the average value is:3.000000

Process returned 0 (0x0)   execution time : 4.178 s
Press any key to continue.
```

6.

```
int b,age;
char a[20];
printf("what is your name :");
scanf("%s",&a);
printf("Enter student birth year:");
scanf("%d",&b);
age=2023-b;
printf("your name is %s\n",a);
printf("your age is %d\n",age);
```

```
what is your name :shehan
Enter student birth year:20
your name is shehan
your age is 2003

Process returned 0 (0x0)   execution time : 5.665 s
Press any key to continue.
```

7.

```
int a,b,c,d;
printf("enter first number: ");
scanf("%d",&a);
printf("enter second number:");
scanf("%d",&b);
c=a;
d=b;
printf("first number is:%d\n",d);
printf("second number is:%d\n",c);
```

```
enter first number: 5
enter second number:6
first number is:6
seconf number is:5

Process returned 0 (0x0)   execution time : 3.627 s
Press any key to continue.
```

8.

```
printf("the color:%s\n","blue");
printf("first number :%d\n",12345);
printf("second number :%04d\n",25);
printf("float number :%3.2f\n",3.14159);
printf("third number :%i\n",1234);
printf("hexadecimal:%x\n",255);
printf("octal:%o\n",255);
printf("unsigned value:%U\n",150);
printf("just print percentage sign:%%\n",10);
```

```
the color:blue
first number :12345
second number :0025
float number :3.14
third number :1234
hexadecimal:ff
octal:377
unsigned value:U
just print percentage sign:%

Process returned 0 (0x0)   execution time : 0.038 s
Press any key to continue.
```

## Practical 2

1.

```
int a;  
printf("Hi,How old are you? : ");  
scanf("%d",&a);  
printf("\n\n");  
printf("welcome%d\n",a);  
printf("Let's be friends!");
```

```
Hi,How old are you? : 20  
  
welcome20  
Let's be friends!  
Process returned 0 (0x0)   execution time : 3.553 s  
Press any key to continue.
```

2.

```
printf("2      4      8\n\n");  
printf("3      9     27\n\n");  
printf("4     16    64\n\n");
```

```
2      4      8  
  
3      9     27  
  
4     16    64  
  
Process returned 0 (0x0)   execution time : 0.038 s  
Press any key to continue.
```

3.

```
int dt,tt,as;
printf("enter the distance travelled:");
scanf("%d",&dt);
printf("enter the time taken:");
scanf("%d",&tt);
as=dt/tt;
printf( "The Average speed is :%d\n",as);

//4 int f,c;
```

```
enter the distance travelled:20
enter the time taken:10
The Average speed is :2

Process returned 0 (0x0)   execution time : 10.921 s
Press any key to continue.
```

4.

```
int f,c;
printf("Enter the temperature in fahrenheit :");
scanf("%d",&f);
c=(5/9)*(f-32);
printf("the temperatue in drgrees celsius is :%d\n",c);
```

```
Enter the temperature in fahrenheit :20
the temperatue in drgrees celsius is :0

Process returned 0 (0x0)   execution time : 6.742 s
Press any key to continue.
```