

## Practical 01

### 01.

```
#include <stdio.h>
```

```
int main()
```

```
{
```

```
    printf("My name is Benoli Senanayake\n");
```

```
    printf("My school is Yasodara Devi Balika Vidyalaya\n");
```

```
}
```

### 02.

```
#include <stdio.h>
```

```
int main()
```

```
{
```

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

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

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

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

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

```
}
```

### 03.

```
#include <stdio.h>
```

```
int main()
```

```
{
```

```
    int num;
```

```
    float des;
```

```
    double avg;
```

```
    char name;
```

```
    printf("Enter a number");
```

```
    scanf("%d",&num);
```

```
    printf("Enter a decimal number");
```

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

```
    printf("Enter an another decimal number");
```

```
    scanf("%lf",&avg);
```

```
    printf("Enter your name");
```

```
    scanf("%s",&name);
```

```
    printf("%d \n",num);
```

```
    printf("%f \n",des);
```

```
    printf("%f \n",avg);
```

```
    printf("%c \n",name);
```

```
}
```

## 04.

```
#include <stdio.h>
```

```
int main()
```

```
{
```

```
    int num1,num2,total;
```

```
    printf("Enter the first number");
```

```
    scanf("%d",&num1);
```

```
    printf("Enter the second number");
```

```
    scanf("%d",&num2);
```

```
    total=num1+num2;
```

```
    printf("Total value is %d",total);
```

```
}
```

**05.**

```
#include <stdio.h>
```

```
int main()
```

```
{
```

```
    float num1,num2,avg;
```

```
    printf("Enter any number with decimals");
```

```
    scanf("%f",&num1);
```

```
    printf("Enter another number with decimals");
```

```
    scanf("%f",&num2);
```

```
    avg=(num1+num2)/2;
```

```
    printf("The average is %f",avg );
```

```
}
```

**06.**

```
#include <stdio.h>
```

```
int main()
```

```
{
```

```
    int birthyear,age;
```

```
    char name[23];
```

```
    printf("Enter your name");
```

```
    scanf("%s",&name);
```

```
    printf("Enter your birth year");
```

```
    scanf("%d",&birthyear);
```

```
    age=2023-birthyear;
```

```
    printf("Your name is %s\n",name);
```

```
    printf("Your age is %d\n",age);
```

```
}
```

## 07.

```
#include<stdio.h>

int main()
{
    int num1,num2;

    printf("Input a number ");
    scanf("%d",&num1);
    printf("Input a number ");
    scanf("%d",&num2);


    //before swap
    printf("%d \n",num1);
    printf("%d \n",num2);


    //after swap
    printf("%d \n",num2);
    printf("%d \n",num1);
}
```

08.

The screenshot displays the Code::Blocks IDE interface. The main editor window shows a C program named `main.c` with the following code:

```
1 #include<stdio.h>
2
3 int main()
4 {
5     printf("The color: %s\n", "blue");
6     printf("First number: %d\n", 12345);
7     printf("Second number: %04d\n", 25);
8     printf("Third number: %i\n", 1234);
9     printf("Float number: %3.2f\n", 3.14159);
10    printf("Hexadecimal: %x\n", 255);
11    printf("Octal: %o\n", 255);
12    printf("Unsigned value: %u\n", 150);
13    printf("Just print the percentage sign %%%n", 10);
14 }
15
16
17
18
```

The output window on the right shows the execution results:

```
The color: blue
First number: 12345
Second number: 0025
Third number: 1234
Float number: 3.14
Hexadecimal: ff
Octal: 377
Unsigned value: 150
Just print the percentage sign %

Process returned 0 (0x0)   execution time : 0.023 s
Press any key to continue.
```

The status bar at the bottom indicates the file path: `C:\Users\HP\Documents\C programme\Myproject\bin\uz\practicle\main.c`.