

(1)

```
#include <stdio.h>

int main()

{
    printf ("My Name Is %s\n", "Nilupul");
    printf ("My School Is %s\n", "Nalanda College-Colombo 10");


    return 0;
}
```

(2)

```
#include <stdio.h>

int main()

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

    return 0;
}
```

(3)

```
#include <stdio.h>

int main()

{
    int num;
    float des;
    double avg;
    char name[20];

    printf ("Enter a number");
    scanf ("%d",&num);

    printf ("Enter a decimal number");
    scanf ("%f",&des);

    printf ("Enter a another decimal number");
    scanf ("%f",&avg);

    printf ("Enter Your Name");
    scanf ("%s",&name);

    printf ("%d\n",num);
    printf ("%f\n",des);
    printf ("%f\n",avg);
    printf ("%s\n",name);

    return 0;
}
```

(4)

```
#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 Is %d",Total);

    return 0;
}
```

(5)

```
#include <stdio.h>

int main()

{
    float Num1,Num2,Avg;

    printf ("Enter The First Number");
    scanf ("%f",&Num1);

    printf ("Enter The Second Number");
    scanf ("%f",&Num2);

    Avg=(Num1+Num2)/2;

    printf("The Average Is %f",Avg);

    return 0;
}
```

(6)

```
#include <stdio.h>

int main ()

{
    int Byear, Age;
    char Name[20];

    printf ("Enter Your Name");
    scanf ("%s", &Name);

    printf("Enter Your Birth Year");
    scanf ("%d", &Byear);

    Age=2023-Byear;

    printf ("Your Name Is %s\n", Name);
    printf ("Your Age Is %d\n", Age);

    return 0;
}
```

(7)

```
#include <stdio.h>

int main()

{
    int Num1,Num2;


    printf ("Enter First Number");
    scanf ("%d",&Num1);


    printf ("Enter Second Number");
    scanf ("%d",&Num2);


    //before swap
    printf("%d\n",Num1);
    printf("%d\n",Num2);


    //after swap
    printf ("%d\n",Num2);
    printf ("%d\n",Num1);


    return 0;
}
```

(8)

The screenshot displays the Code::Blocks IDE interface. The main editor window shows a C program named `Practical1_08.c` with the following code:

```
1 #include <stdio.h>
2 int main()
3 {
4     printf ("The color:%s\n","blue");
5     printf ("First number:%d\n",12345);
6     printf ("Second Number:%02d\n",25);
7     printf ("Third Number:%i\n",1234);
8     printf ("Float Number:%3.2f\n",3.14159);
9     printf ("Hexadecimal:%x\n",255);
10    printf ("Octal:%o\n",255);
11    printf ("Unsigned value:%u\n",150);
12    printf ("Just print the percentage sign %\n",10);
13
14
15
16
17
18    return 0;
19 }
20
21
```

The output window 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 : 2.448 s
Press any key to continue.
```

The status bar at the bottom indicates the file path `C:\Users\nilupul\Desktop\CodeBlocks\myproject\Practical1_08.c`, the language `C/C++`, and the current position `Line 13, Col 55, Pos 409`.