

Practical (01)

[01]

```
#include<stdio.h>

int main()
{
    printf("My name is:%s \n","Achintha");
    printf("My School is:%s \n","Sri Palee College");

    return(0);
}
```

[02]

```
#include<stdio.h>

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

    return(0);
}
```

[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);
```

```
return(0);
```

```
}
```

[04]

```
#include<stdio.h>

int main()
{
    int num1,num2,total;

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

    total=num1+num2;
    printf("Total is  %d",total);
    return(0);
}
```

[05]

```
#include<stdio.h>

int main()
{
    float num1,num2,avg;

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

    avg=(num1+num2)/2;
    printf("Average is  %f",avg);
    return(0);
}
```

```
}
```

```
[06]
```

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

```
int main()
```

```
{
```

```
    int byear,age;
```

```
    char name[15];
```

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

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

```
    printf("Input 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);
```

```
}
```

[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);

    return(0);
}
```

[08]

The screenshot displays the Code::Blocks IDE interface. On the left, a terminal window shows the output of a C program. The program prints various data types: a string, an integer, an octal number, a float, a hexadecimal value, and an integer with a percentage sign. It also shows the execution time and a return status. The main editor window displays the source code of 'main.c', which uses printf to output these values. The 'Logs & others' panel at the bottom shows build messages, including warnings about implicit integer return types and format string arguments.

```
Process returned 0 (0x0)   execution time : 0.031 s
Press any key to continue.
```

```
1  #include<stdio.h>
2  main()
3  {
4      printf("The color: %s\n", "blue");
5      printf("First number: %d\n", 12345);
6      printf("Second number: %04d\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
```

File	Line	Message
C:\Users\Test001\Documents\My Project02\bin\Debug\My Project02.exe	2	warning: return type defaults to 'int' [-Wimplicit-int]
C:\Users\Test001\Documents\My Project02\bin\Debug\My Project02.exe	12	warning: too many arguments for format [-Wformat-extra-args]