

Practical 01

1)

```
#include <stdio.h>

int main()
{
    printf("Omindu gunasekara\n");
    printf("Thurstan college \n");
}
```

2)

```
#include <stdio.h>

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

3)

```
#include <stdio.h>

int main()
{
    int n1;
    float n2;
    double n3;
    char c1;
    printf("Enter integer valuve");
```

```
scanf("%d",&n1);
printf("Enter decimal valuve");
scanf("%f",&n2);
printf("Enter decimal valuve");
scanf("%if",&n3);
printf("Enter Character");
scanf("%c",&c1);

printf("int valuve is %d \n",n1);
printf("float valuve is %.2f \n",n2);
printf("double valuve is %if \n",n3);
printf("char valuve is %c \n",c1);
}
```

4)

```
#include <stdio.h>
int main()
{
    int n1,n2,total;
    printf("Enter 1st number");
    scanf("%d",&n1);
    printf("Enter 2nd number");
    scanf("%d",&n2);
    total=n1+n2;
    printf("The total is %d \n",total);
}
```

5)

```
#include <stdio.h>

int main()
{
    int n1,n2,avg;
    printf("Enter 1st number");
    scanf("%d",&n1);
    printf("Enter 2nd number");
    scanf("%d",&n2);
    avg=(n1+n2)/2;
    printf("The avarage is %d \n",avg);
}
```

6)

```
#include <stdio.h>

int main()
{
    char name[20];
    int byear,age;
    printf("Enter student name");
    scanf("%s",&name);
    printf("Enter birth year");
    scanf("%d",&byear);
    age=2023-byear;
    printf("Student name is %s \n",name);
    printf("Student's age is %d \n",age);
}
```

7)

```
#include <stdio.h>

int main()
{
    int n1,n2,temp;
    printf("Enter 1st number");
    scanf("%d",&n1);
    printf("Enter 2nd number");
    scanf("%d",&n2);
    printf("Before swap %d,%d \n",n1,n2);
    temp=n1;
    n1=n2;
    n2=temp;
    printf("After swap %d,%d \n",n1,n2);
}
```

8)

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 %

Practical 02

1)

```
#include<stdio.h>

int main()
{
    int age;

    printf("HI,HOW OLD ARE YOU?");

    scanf("%d",&age);

    printf("\n\nWELCOME %d \n",age);

    printf("LET'S BE FRIENDS \n");
}
```

2)

```
#include <stdio.h>

int main()
{
    printf("%5d%5d%5d\n", 2, 4, 8); //Right Align
    printf("%5d%5d%5d\n", 3, 9,27);      //Right Align
    printf("%5d%5d%5d\n", 4,16,64); //Right Align
}
```

3)

```
#include <stdio.h>

int main()
{
    float dis,time,spd;
    //Input distance in meters
    printf("Enter the distance traveled");
    scanf("%f",&dis);
    //Input the time in seconds
    printf("Enter the time taken");
    scanf("%f",&time);
    //process
    spd=dis/time;
    //Output the avarage speed
    printf("The avarage speed is %.2f m/s \n",spd);
}
```

4)

```
#include <stdio.h>

int main()
{
    float f,c;
    printf("Enter the tempreture in f");
    scanf("%f",&f);
    c=(5.0/9.0)*(f-32);
    printf("The tempreture in c is %.2f c \n",c);
}
```