**Practical-01**

#include <stdio.h>

#include <stdio.h>

int main()

{

**1.** printf("Rashmila Jayaweera\n");

printf("Taxila Central College\n\n");

**2.** printf("\*\n");

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

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

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

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

**3.** int q=10;

float r=1.5;

double s=1.414;

char t='a';

printf("Integer value is %d\n",q);

printf("Float value is %.1f\n",r);

printf("Double value is %.3f\n",s);

printf("Char value is %c\n\n",t);

**3.** int intvalue;

float floatvalue;

double doublevalue;

char charvalue;

char stringvalue[10];

printf("Enter an integer value ");

scanf("%d", &intvalue);

printf("Enter a float value ");

scanf("%f", &floatvalue);

printf("Enter a double value ");

scanf("%f", &doublevalue);

printf("Enter a character ");

scanf(" %c", &charvalue);

printf("Enter a string value");

scanf("%s", &stringvalue);

printf("Integer value is %d\n", intvalue);

printf("Float value is %.1f\n", floatvalue);

printf("Double value is %.2f\n", doublevalue);

printf("Char value is %c\n", charvalue);

printf("String value is %s\n\n",stringvalue);

**4.** int x=5,y=14,z;

z=x+y;

printf("%d\n\n",z);

**5.** float a=2.5,b=3.7,avg;

avg=(a+b)/2;

printf("Average is %.2f\n\n",avg);

**6.** int byear,age;

char stdname[10];

printf("Enter the birth year");

scanf("%d",&byear);

printf("Enter the student name");

scanf("%s",&stdname);

age=2023-byear;

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

**7**. int n1,n2,swp;

printf("Enter two numbers\n");

scanf("%d %d",&n1,&n2);

printf("Your values are a=%d b=%d\n",n1,n2);

swp=n1;

n1=n2;

n2=swp;

printf("After swap a=%d b=%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.** int age;

printf("Hi,How old are you?\n");

scanf("%d",&age);

printf("\n");

printf("\n");

printf("Welcome\n");

printf("Let's be friends!\n");

**2.** printf("%10d%10d%10d\n", 2, 4, 8); //Right Align

printf("%10d%10d%10d\n", 3, 9, 27); //Right Align

printf("%10d%10d%10d\n", 4, 16, 64);

printf("\n\n\n");

**3**. int avgspd,dst,tt;

printf("Enter the traveled distance");

scanf("%d",&dst);

printf("Enter the taken time");

scanf("%d",&tt);

avgspd=dst/tt;

printf("Average speed is %d",&avgspd);

**4.** float temfar,temcel;

printf("Enter temperature in fahrenheit");

scanf("%f",&temfar);

temcel=(5.0/9.0)\*(temfar-32.0);

printf("Temperature in celcius is %f",temcel);