

Practical 01

Question no:01

```
#include <stdio.h>

#include <stdlib.h>

int main()

{

    printf("Name: Wethmi Rangoda\n");

    printf("School Name: Holy Family Convent Wennappuwa");

    return 0;

}
```

Question no:02

```
#include <stdio.h>

#include <stdlib.h>

int main()

{

    printf("*\n");

    printf("**\n");

    printf("***\n");

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

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

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

    return 0;

}
```

Question no:03

```
#include <stdio.h>

#include <stdlib.h>

int main()
{
    int no1;
    float no2;
    double no3;
    char word[20];
    printf("Enter a value for int:");
    scanf("%d",&no1);
    printf("Enter a value for float:");
    scanf("%f",&no2);
    printf("Enter a value for double:");
    scanf("%lf",&no3);
    printf("Enter a value for char array:");
    scanf("%s",&word);
    printf("Value of int is %d\n",no1);
    printf("Value of float is %f\n",no2);
    printf("Value of double is %f\n",no3);
    printf("Value of char array is %s\n",word);
    return 0;
}
```

Question no:04

```
#include <stdio.h>

#include <stdlib.h>

int main()
{
    int no1,no2,total;
    printf("Enter the first number ");
    scanf("%d",&no1);
    printf("Enter the second number ");
    scanf("%d",&no2);
    total=no1+no2;
    printf("The total is %d",total);
    return 0;
}
```

Question no:05

```
#include <stdio.h>

#include <stdlib.h>

int main()
{
    float no1,no2,average;
    printf("Enter two decimal numbers ");
    scanf("%f %f",&no1,&no2);
    average=(no1+no2)/2;
```

```
    printf("The average is %.3f",average);  
    return 0;  
}
```

Question no:06

```
#include <stdio.h>  
  
#include <stdlib.h>  
  
int main()  
{  
    int year,age;  
    char name[20];  
    printf("Enter the student name ");  
    scanf("%s",&name);  
    printf("Enter the birth year ");  
    scanf("%d",&year);  
    age=2023-year;  
    printf("Student name is %s\n",name);  
    printf("The age is %d\n",age);  
    return 0;  
}
```

Question no:07

```
#include <stdio.h>

#include <stdlib.h>

int main()
{
    int no1,no2,x;
    printf("Enter two numbers ");
    scanf("%d %d",&no1,&no2);
    printf("Before swap\n");
    printf("First number is %d\n",no1);
    printf("Second number is %d\n",no2);
    x=no1;
    no1=no2;
    no2=x;
    printf("After swap\n");
    printf("First number is %d\n",no1);
    printf("Second number is %d\n",no2);
    return 0;
}
```

Question no:08

The color:blue

First number:12345

Second number:0025

Third number:1234

Float number:3.14

Hexadecimal:e1

Octal:341

Unsigned value:150

Just print the percentage sign%

Process returned 0 (0x0) execution time : 0.050 s

Press any key to continue.