

# C Programming Assignment

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## Practical No 1

### Question 1

```
#include <stdio.h>
int main()
{
    printf("Sulakshi Sewmini!\n");
    printf("Rathnawali Balika Vidyalaya");
    return 0;
}
```

### Question 2

```
#include <stdio.h>
int main()
{
    printf("*\n");
    printf("**\n");
    printf("***\n");
    printf("****\n");
    printf("*****\n");
    printf("*****\n");
    return 0;
}
```

### Question 3

```
#include <stdio.h>
int main()
{
    int a; float b; double c; char d;
    printf("enter an integer value: ");
    scanf("%d",&a);
    printf("enter a float value: ");
    scanf("%f",&b);
    printf("enter a double value: ");
    scanf("%lf",&c);

    printf("enter a char value: ");
    scanf("%c",&d);
    printf("%d\n",a); printf("%f\n",b); printf("%lf\n",c);
    printf("%c\n",d);
    return 0;
}
```

### Question 4

```
#include <stdio.h>
int main()
{
    int no1,no2,total;
    printf("Enter your first number: ");
    scanf("%d",&no1);
    printf("Enter your second number: ");
    scanf("%d",&no2);

    total=no1+no2; printf("Total is:%d",total);
    return 0;
}
```

## Question 5

```
#include <stdio.h>
int main()
{
    float no1,no2,average;
    printf("Enter your first number:");
    scanf("%f",&no1);
    printf("Enter your second number:");
    scanf("%f",&no2);
    average=(no1+no2)/2; printf("Average is:%f",average);
    return 0;
}
```

## Question 6

```
#include <stdio.h>
int main()
{
    int age,byear;
    char name[50];
    printf("Enter your name: ");
    scanf("%s",&name);
    printf("Enter your birth year: ");
    scanf("%d",&byear);
    age=2023-byear;
    printf("Name:%s\n",name);
    printf("Age is:%d\n",age);
    return 0;
}
```

## Question 7

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

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

## Question 8

```
#include<stdio.h>
main()

{
printf("The color: %s\n", "blue");
printf("First number: %d\n", 12345);
printf("Second number: %04d\n", 25);
printf("Third number: %i\n", 1234);
printf("Float number: %3.2f\n", 3.14159);
printf("Hexadecimal: %x\n", 255);
printf("Octal: %o\n", 255);
printf("Unsigned value: %u\n", 150);
printf("Just print the percentage sign %%\n", 10);
}
```

```
// The Outputs
/*
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 %
*/
```