

C PROGRAMMING ASSIGNMENT

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Practical no 01

Question 1

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

```
int main()  
{  
    printf("Ravindu Sohan!\n");  
    printf("Siri Piyaarathana national Padukka");  
    return 0;  
}
```

Question 2

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

```
int main()
```

```
{  
    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 %

*/