

1.

```
#include <stdio.h>

int main()
{
    printf("My Name is Sadeesha Jayaweera\n ");
    printf("My School is St Anthony's College Kandy\n");
    //We can Execute the above code in one line
    // printf(" My Name is Sadeesha Jayaweera\n My School is St Anthony's College
    Kandy " );
    return 0;
}
```

2.

```
#include <stdio.h>

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

    return 0;
}
```

3.

```
#include <stdio.h>

int main()
{
    int x ;
    x = 12;
```

```
printf("The number is %d\n", x);
char y ;
y = 'S';
printf(" The letter is %c\n", y);
double z ;
z = 7.78;
printf("The Decimal Number is %lf", z);

return 0;
}
```

4.

```
#include <stdio.h>
int main()
{
    int num1, num2, tot;
    printf("Enter the Number One ");
    scanf("%d", &num1);
    printf("Enter the Number Two ");
    scanf("%d", &num2);
    tot = num1+num2;
    printf("The Sum of the Numbers= %d", tot);
}
```

5.

```
#include<stdio.h>
int main()
{
    float num1, num2 ,tot, avg;
    printf("Enter the Decimal Number 1:");
    scanf("%f", &num1);
    printf("Enter the Decimal Number 2:");
```

```
scanf("%f", &num2);  
tot = num1+num2;  
avg = tot/2 ;  
printf("The Average: %f " , avg);  
  
}
```

6.

```
#include<stdio.h>  
int main()  
{  
    int byear, age ;  
    char sname [20];  
    printf("Enter your Birth Year: ");  
    scanf("%d", &byear);  
    printf ("Enter your Name: ");  
    scanf("%s", &sname);  
    age = 2022-byear;  
    printf("The Student Name is %s and Age is %d", sname, age);  
}
```

7.


```
#include<stdio.h>  
int main()  
{  
    int num1,num2,temp,temp2;  
    printf("Please Enter the Number one: ");  
    scanf("%d", &num1);  
  
    printf("Please Enter the Number two: ");  
    scanf("%d", &num2);  
  
    temp = num1;
```

```
temp2 = num2;

printf("After Swapping First Number : %d \n", temp2);
printf("After Swapping Second Number: %d ", temp);

}
```

8.

main.c	Run	Output
<pre>1 #include<stdio.h> 2 main() 3 { 4 printf("The color: %s\n", "blue"); //Display Strings 5 printf("First number: %d\n", 12345); //Display Integers 6 printf("Second number: %04d\n", 25); //Display Integer in 4digits 7 printf("Third number: %i\n", 1234); //Display float 8 printf("Float number: %3.2f\n", 3.14159); //Display Decimla Num 9 printf("Hexadecimal: %x\n", 255); //Display Hexa Number 10 printf("Octal: %o\n", 255); //Display Octal 11 printf("Unsigned value: %u\n", 150); //Unsigned value 12 printf("Just print the percentage sign %%\n", 10); //Percentage Sign 13 } 14</pre>		<pre>/tmp/R5n5J7Izun.o 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 %</pre>