Practical 1 – Answers

1)
```c
#include <stdio.h>

int main ()


{

    printf("Name: Dion Ishera Liyanage\n");

    printf("School: Taxila Central College - Horana\n");


    return 0;

}
```

2)
```c
#include <stdio.h>

int main ()


{

    printf("*\n");

    printf("**\n");

    printf("***\n");

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

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


    return 0;

}
```

3)

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

{
   int i;
   printf("Enter an integer: ");
   scanf("%d",&i);
   printf("You entered %d\n\n",i);


   float f;
   printf("Enter a float: ");
   scanf("%f",&f);
   printf("You entered %f\n\n",f);


   double d;
   printf("Enter a double: ");
   scanf("%lf",&d);
   printf("You entered %f\n\n",d);


   char c;
   printf("Enter a character: ");
   scanf(" %c",&c);
   printf("You entered %c\n",c);


    return 0;

}
```

4)
```c
#include <stdio.h>

int main ()


{
   int n1,n2,to;
   printf("Enter first number: ");
   scanf("%d",&n1);
   printf("Enter second number: ");
   scanf("%d",&n2);
   to=n1+n2;
   printf("Total: %d\n",to);


  return 0;
}
```

5)
```c
#include <stdio.h>

int main ()


{
   float n1,n2,ave;
   printf("Enter first number: ");
   scanf("%f",&n1);
   printf("Enter second number: ");
   scanf("%f",&n2);
   ave=(n1+n2)/2;
   printf("Average: %f \n",ave);


   return 0;
}
```

6)

```c
#include <stdio.h>

int main ()


{

  int byear,age;

  char sname[20];

  printf("Enter student name: ");

  scanf("%s",&sname);

  printf("Enter birth year: ");

  scanf("%d",&byear);

  age=2023-byear;

  printf("\nStudent name: %s\n",sname);

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


  return 0;

}
```

8)

```
The color: blue

First number: 12345

Second number: ?

Third number: 1234

Float number: 3.14

Hexadecimal: ?

Octal: ?

Unsigned value: 150

Just print the percentage sign %
```

7)

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


{
  int n1,n2,num;
  printf("Enter first number: ");
  scanf("%d",&n1);
  printf("Enter second number: ");
  scanf("%d",&n2);

  printf("\nBefore swap\n\n");
  printf("First number: %d\n",n1);
  printf("Second number: %d\n\n",n2);

  num=n1;
  n1=n2;
  n2=num;

  printf("After swap\n\n");
  printf("First number: %d\n",n1);
  printf("Second number: %d\n\n",n2);

  return 0;
}
```