LAB 0 (Basic input output)

1. Write a C program to display the following:

a) 'Hello world'

b) Hello
world! (using a single printf statement)

c) Hello
world! (using a single printf statement that has no blank space)

d) How are you?
I am OK.

e) How are you?
I am OK. (using two printf statements which have no blank spaces)

f) How are you?
I am OK. (using a single printf statement that has no blank space)

2. Type the program in a file and examine/understand the output. Remove errors (if any).

```
#include<stdio.h>
int main(void)
{
int a=123,b=-123,c=12345;
printf("%2d\n",c);
printf("%10.2d\n",c);
printf("%-10.2d\n",c);
printf("%-7d\n",a);
printf("%07.2d\n",a);
printf("%07d\n",a);
printf("%+0-9.4d\n",a);
printf("%+09.4d\n",a);
printf("%+07d\n",a);
printf("%+07.4d\n",a);
printf("%+-07.4d\n",a);
printf("%-08d\n",b);
printf("%-08.2d\n",b);
printf("%-8.4d\n",b);
return 0;
}
```

3. Find the errors (if any) in the following program: (You may type the program in a file fun.c and identify the errors during compilation)

```
#include <stdio.h>
int main( )
 {
inta,b ,c;
 a= 2.45;
 b =a+2;
printf( "Enter an integer:");
scanf( "%d", &c);
printf( "%d %d %d\n",a, b,c);
return 0;
 }
```

4. Write a program to add two numbers. Take input from the user.
5. Write a program to input an integer, a float and a character from the user and print them.
6. Write a c program to convert temperature from celsius to Fahrenheit and vice versa.
7. Write a C program to compute compound interest
8. Write a program to compute the reverse of a 4 digit number.