CS8251 Programming in C

Assignment 1

1. Write a C program to print your name, date of birth. and mobile number.

Expected Output:

Name :

DOB :

Mobile :

2. Write a C program to get the C version you are using.

Expected Output:

We are using C18!

3. Write a C program to print a block F using hash (#), where the F has a height of six characters and width of five and four characters. And also to print a big 'C'.

Expected Output:

```
######
#
#
#####
#
#
#
  ######
 ##    ##
 #
 #
 #
 #
 #
 ##    ##
  ######
```

4. Write a C program to print the following characters in a reverse way.

Test Characters: 'R', 'Y', 'L'

Expected Output:

The reverse of RYL is LYR

5. Write a C program to compute the perimeter and area of a rectangle with a height of 8 inches. and width of 3 inches.

Expected Output:

Perimeter of the rectangle =

Area of the rectangle =

6. Write a C program to compute the perimeter and area of a circle with a radius of 6 inches.

Expected Output:

Perimeter of the Circle =

Area of the Circle =

7. Write a C program that accepts two item's weight (floating points' values) and number of purchase (floating points' values) and calculate the average value of the items.

Test Data :

Weight - Item1:

No. of item1:

Weight - Item2:

No. of item2:

Expected Output:

Average Value =

8. Write a C program that accepts an employee's ID, total worked hours of a month and the amount he received per hour. Print the employee's ID and salary (with two decimal places) of a particular month.

Test Data :

Input the Employees ID(Max. 10 chars):

Input the working hrs:

Salary amount/hr:

Expected Output:

Employees ID =

Salary =

Point out the errors

```c
#include <stdio.h>
int main(){
    printf(Hello);
    return 0;
}
```

```c
#include <stdio.h>
/*Using comment
/*This is a comment*/
*/
int main(){
    printf("Hello\n");
    return 0;
}
```

```c
#include <stdio.h>
int main(){
    printf("Hello")
    return 0
}
```

```c
int main(){
    printf(Hello);
    return 0;
}
```