**Practical Number – 02**

**Arears Covered - Data Input & Output**

Question 1

#include<stdio.h>

main()

{

int age;

printf("HI, HOW OLD ARE YOU? ");

scanf("%d",&age);

printf("\n\n");

printf("WELCOME %d\nLET'S BE FRIENDS!",age);

}

Question 2

#include <stdio.h>

int main()

{

printf("%8d%8d%8d\n", 2, 4, 8); //Right Align

printf("\n");

printf("%8d%8d%8d\n", 3, 9, 27);//Right Align

printf("\n");

printf("%8d%8d%8d\n", 4, 16, 64);//Left Align

printf("\n");

return 0;

}

Question 3

#include <stdio.h>

int main()

{

float distance,time,avgs;

printf("Enter driven distance in meters ");

scanf("%f",&distance);

printf("Enter spent time in seconds ");

scanf("%f",&time);

avgs=distance/time;

printf("Your speed %0.2f meters per second",avgs);

}

Q. Try using integer variables. What would be the problem? Why? How to fix the problem?

-Can’t display decimal values.

-Because int data type can’t display decimals.

-We must use the float data type for to display decimal values in our program.

Question 4

#include<stdio.h>

main()

{

float tempf,tempc;

printf("Enter the temperature in farenheit ");

scanf("%f",&tempf);

tempc=(5.0/9.0)\*(tempf-32.0);

printf("Temperature is %f degrees celcius",tempc);

}

68 Fahrenheit = 20.000000 degrees Celsius

150 - Fahrenheit = 65.555557 degrees Celsius

212 - Fahrenheit = 100.000000 degrees Celsius

0 - Fahrenheit = -17.777779 degrees Celsius

-22 - Fahrenheit = -30.000000 degrees Celsius

-200 - Fahrenheit = -128.888885 degrees Celsius