**Q.No.1.**

#include <stdio.h>

int main()

{

int a; //Declaring the variables a and b and use int function because both of them are integers.

int b;

printf("Enter first number: "); //Prompt the user to enter two numbers.

scanf("%d",&a); // we use scanf function to enter some information on the variable.

printf("Enter second number: ");

scanf("%d",&b);

// Adding the two numbers and storing the result in sum of a and b variable.

printf("Sum of a and b = %d", a+b);

return 0; // End the program

}

**Q.No.2.**

#include <stdio.h>

#define PI 3.14 //Define a constant for pi.

int main()

{

int r; // declare a variable r using int function as it is a integer.

printf("Enter the radius: "); //Prompt the user to enter the radius.

scanf("%d",&r);

printf("Area of circle: %f\n",PI\*r\*r); //Calculate the area using formula π\*r^2.

printf("Circumference: %.1f\n",PI\*2\*r); //Calculate the circumference using formula 2πr.

// .1 to print answer with 1 decimal places.

return 0;

}

**Q.No.3**

#include <stdio.h>

int main()

{

int principle; // declare variables principle, rate and time.

int rate;

int time;

printf("Enter the principle: "); //Prompt the user to enter principle.

scanf("%d",&principle); //Put the value in variable

printf("Enter the rate of interest: "); //Prompt the user to enter rate.

scanf("%d",&rate);

printf("Enter the time: "); //Prompt the user to enter time.

scanf("%d",&time);

printf("Simple Interest is %d\n",(principle\*rate\*time)/100); /\*Calculate Simple interest using formula

S.I = (P\*T\*R)/100 \*/

return 0; //End of program

}

**Q.No.4**

#include <stdio.h>

int main()

{

int temp\_in\_cen; //declare the variables and using int function as the varaibale will contain integers.

int temp\_in\_fah;

printf("Enter temp in centigrade: "); //Prompt the user to enter temp in centigrade.

scanf("%d",&temp\_in\_cen); //Put the value in variable.

printf("Answer: %f\n",(1.8\*temp\_in\_cen)+32); /\* Calculate using formula c/100 = (F-32)/180; equals to

(1.8\*C) + 32 = F \*/

return 0; //End of program

}

**Q.No.5**

#include <stdio.h>

int main()

{

int num1, num2, num3, num4, num5,sum; //Declare the variables.

float percentage;

float total;

printf("Enter 5 digits: "); //Prompt the user to enter information.

scanf("%d %d %d %d %d", &num1, &num2, &num3, &num4, &num5);

printf("Enter assumption total number: "); // Prompt the user to enter assumption number.

scanf("%f", &total);

sum = num1 + num2 + num3 + num4 + num5; // Perform the operation

printf("Sum of digits: %d\n", sum);

percentage = (sum / total) \* 100;

printf("Percentage: %.2f%%", percentage); /\* Calculate using formula percentage = sum/total,

.2 to print answere with two decimal places\*/

return 0; //End of program

}