**CEW LAB1**

**Answer#1**

#include <stdio.h>

int main() {

int emp\_id,sal\_per\_hr=999;

float hrs\_worked;

printf("Enter Employee ID:\t");

scanf("%d",&emp\_id);

printf("\nEnter total hours worked in this month:\t");

scanf("%f",&hrs\_worked);

printf("The total salary of the Employee(ID = %d): Rs.%.2f/= ", emp\_id, sal\_per\_hr \* hrs\_worked);

return 0;

}

**Answer#2**

#include <stdio.h>

int main() {

float height, width;

printf("Enter Height of the Rectangle:\t");

scanf("%f",&height);

printf("\nEnter Width of the Rectangle:\t");

scanf("%f",&width);

printf("The Perimeter of the Rectangle: %.2f units",height\*2+width\*2);

printf("\nThe Area of the Rectangle: %.2f square units",height\*width);

return 0;

}

**Answer#3**

#include <stdio.h>

int main() {

float height;

printf("Enter Height of the Person in centimeters:\t");

scanf("%f",&height);

if(height<150)

printf("The Person is DWARF");

else if(height==150)

printf("The Person is an AVERAGE");

else if(height>=165)

printf("The Person is TALL");

else

printf("The Person is between DWARF and TALL but not AVERAGE");

return 0;

}

**Answer#4**

#include<stdio.h>

int dec\_to\_bi(int num){

int dec = num,bin=0,rem=0,place=1;

while(dec){

rem=dec%2;

dec=dec/2;

bin=bin + (rem\*place);

place=place\*10;

}

return bin;

}

int main(){

printf("DECIMAL TO BINARY CONVERTER\n\n");

int num;

printf("ENTER A DECIMAL NUMBER: ");

scanf("%d",&num);

printf("BINARY EQUIVALENT: %d",dec\_to\_bi(num));

return 0;

}

**Answer#5**

#include<stdio.h>

int fab(int a,int b,int num){

int x=a,y=b,z,n=num;

if (n==0)

return 0;

else{

z=x+y;

printf("%d ",z);

return fab(y,z,n-1);

}

}

int main(){

int a=0,b=1,num;

printf("FIBONACCI SERIES PRINTER\nEnter nth term of fibonacci series:\t ");

scanf("%d",&num);

printf("1 ");

fab(a,b,num);

}