LAB 1

EXERCISES

CODE # 01:

#include <stdio.h>

int main()

{

int empID,salaryPerHour;

float workingHours;

printf("Enter The Employee Salary per hour here: ");

scanf("%d", &salaryPerHour);

printf("\nEnter Employee's ID here:");

scanf("%d", &empID);

printf("\nEnter Total Working hours for this month:");

scanf("%f", &workingHours);

printf("The Employee's ID is %d",empID);

printf("\nThe Total Salary of the Employee is Rs.%.2f",salaryPerHour\*workingHours);

return 0;

}

OUTPUT:

Enter The Employee Salary per hour here: 200

Enter Employee's ID here:2200

Enter Total Working hours for this month:150

The Employee's ID is 2200

The Total Salary of the Employee is Rs.30000.00

CODE # 02:

#include <stdio.h>

int main(){

float W,H;

printf("Enter Height of The Rectancle: ");

scanf("%f", &H);

printf("\nEnter Width of The Rectangle: ");

scanf("%f", &W);

printf("PERIMETER: %.2f units",(H\*2)+(W\*2));

printf("\nAREA: %.2f square units", H\*W);

return 0;

}

OUTPUT:

Enter Height of The Rectancle: 12

Enter Width of The Rectangle: 14

PERIMETER: 52.00 units

AREA: 168.00 square units

CODE # 03:

#include <stdio.h>

int main() {

float Height;

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

scanf("%f",&Height);

if(Height<150)

printf("The Person is a DWARF!.");

else if(Height==150)

printf("The Person is AVERAGE!.");

else if(Height>=165)

printf("The Person is TALL!.");

return 0;

}

OUTPUT:

Enter Height of the Person in centimeters here: 170

The Person is TALL!.

CODE # 04:

#include <stdio.h>

void decimalToBinary(int decimalNumber) {

if (decimalNumber == 0) {

return;

}

decimalToBinary(decimalNumber / 2);

printf("%d", decimalNumber % 2);

}

int main() {

int decimalNumber;

printf("Enter a decimal number here: ");

scanf("%d", &decimalNumber);

printf("Your required Binary equivalent is ");

decimalToBinary(decimalNumber);

printf("\n");

return 0;

}

OUTPUT:

Enter a decimal number here: 4

Your required Binary equivalent is 100

CODE # 05:

#include <stdio.h>

int fibo(a,b,num){

if (num==0){

printf("\nEnd of Series!");

return 0;

}else{

int z=(a+b);

printf(" %d ",z);

a=b;

b=z;

return fibo(a,b,num-1);

}

}

int main() {

int num;

printf("FIBONACCI SERIES!:\nEnter the nth term of the Fibonacci series here: ");

scanf("%d",&num);

printf(" 1");

fibo(0,1,num-1);

return 0;

}

OUTPUT:

FIBONACCI SERIES!:

Enter the nth term of the Fibonacci series here: 5

1 1 2 3 5

End of Series!