LAB #01

```c
// question # 1
#include <stdio.h>
int main(){
    int emp_id, salary_per_hour = 999;
    float hours_worked;
    printf ("enter an employee ID:\t");
    scanf ("%f”, &emp_id);
    printf ("enter total Hours worked:\t");
    scanf("%f",&hours_worked);
    printf("total salary of employee(ID =
%d):Rs%2f/=",emp_id,salary_per_hour*hours_worked);
    return 0;
}

// question 2
#include <stdio.h>
int main(){
    float height, width;
    printf("enter height:\t");
    scanf("%f",&height);
    printf("\nenter width:\t");
    scanf("%f",&width);
    printf("perimeter is: %2f",height*2+width*2);
    printf("area : %2f square units",height*width);
    return 0;
}

// question 3
#include <stdio.h>
int main() {
    float height;
    printf("enter height :\t");
    scanf("%f",&height);
    if (height<150){
    printf("the person is dwarf");}
    else if (height == 150)
    {printf("the person is average");}
    else if (height>=165){
    printf("the person is tall");}
    else
    {printf("the person is between dwarf and tall but not average");}
    return 0;

}
```

```c
// question #4
#include<stdio.h>
int decimal_to_binary(num){
    int dec = num, bin = 0, rem = 0,
    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 decimal no; ");
        scanf("%d",&num);
        printf("binary equivalent:%d",decimal_to_binary);
        return 0;

    }

// question # 5
#include<stdio.h>
int fab (a,b,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("enter nth term of fibonacci series:\t");
        scanf("%d",&num);
        printf("1");
        fab(a,b,num);
        return 0;
    }
```