Ex. No 1a

Print Your Name and Address

Aim:

To write a C program to print name and address

Algorithm:

i) Start the program
ii) Print the name and address
iii) Stop the program

Program:

```
#include<stdio.h>
#include<conio.h>
void main()
{
  clrscr();
  printf("Name: Ramesh\n");
  printf("Address: plot-4,\n Pethanachi Amman Street,\n Villapuram,\n Madurai");
  getch();
}
```


Result:

Thus the C program to display the Name and Address is executed successfully.

Ex. No 1b

Find Simple and Compound Interest

Aim:

To write a C program to calculate Simple and Compound Interest.

Algorithm:

i) Start the program.
ii) Get the values of p, n and r.
iii) Calculate simple interest as (p x n x r)/100.
iv) Calculate compound interest as p x (**pow**(1 + r/100, n)) – p.
v) Display simple interest and compound interest.
vi) Stop the program.

Program:

```
#include<stdio.h>
#include<conio.h>
#include<math.h>

void main()
{
  float p, n, r, si, ci;
  printf("\nEnter Principal Amount: ");
  scanf("%f",&p);
  printf("\nEnter Number of Years: ");
  scanf("%f",&n);
  printf("\nEnter Rate of Interest: ");
  scanf("%f",&r);
  si = (p * n * r ) / 100;
  ci = p * (pow(1+r/100,n))-p;
  printf("\nSimple Interest = %.2f",si);
  printf("\nCompound Interest = %.2f",ci);
  getch();
}
```

Result:

Thus the C program to Calculate Simple Interest and Compound Interest is executed successfully.