```
#include<stdio.h>
#include<math.h>
#define m 2
float f(float x);
float f1(float x);
int main()
float x,h,error=1e-7;
printf("Enter the initial value\n");
scanf("%f",&x);
h=-m*f(x)/f1(x);
while(fabs(h)>error)
x=x+h;
h=-m*f(x)/f1(x);
printf("Root =%7.5f(correct upto 5D)",x);
return(0);
float f(float x)
float y;
y = pow(x,3) - pow(x,2) - x + 1;
return(y);
float f1(float x)
float y;
y=3*pow(x,2)-2*x-1;
return(y);
//*Output*//
Enter the initial value
Root =1.00000(correct upto 5D)
```