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**B.Sc (Hons) Physics**

**SOURCECODE**

#include<iostream.h>

#include<conio.h>

#include<math.h>

#define f(x) (x\*x\*x-4\*x-9)

#define g(x) (3\*x\*x-4)

void main()

{

clrscr();

float a,b;

cout<<"Enter the expected root:";

cin>>a;

do{

b=(a)-(f(a)/g(a));

a=b;

}

while(fabs(a-b)>0.001);

cout<<"root is close to:"<<a;

getch();

}

**OUTPUT**

