```
#include<stdio.h>
#include<stdlib.h>
#include<math.h>
************************
*****
*Function
                   main
*Input parameters:
                   no parameters
*RETURNS
                   0 on success
*************************
*****/
int main(void)
      float fA,fB,fC,fDesc,fX1,fX2,fRealp,fImagp;
***");
      printf("\n*\tPROGRAM TO FIND ROOTS OF A QUADRATIC EQUATION\t
*\n");
*");
      printf("\nEnter the coefficients of a,b,c \n");
      scanf("%f%f%f",&fA,&fB,&fC);
      if(0 == fA)
             printf("\nInvalid input, not a quadratic equation -
try again\n");
             exit(0);
      }
      /*COMPUTE THE DESCRIMINANT*/
      fDesc=fB*fB-4*fA*fC;
      if(0 == fDesc)
      {
             fX1 = fX2 = -fB/(2*fA);
             printf("\nRoots are equal and the Roots are \n");
             printf("\nRoot1 = %g and Root2 = %g\n",fX1,fX2);
      else if(fDesc > 0)
             fX1 = (-fB+sqrt(fDesc))/(2*fA);
             fX2 = (-fB-sqrt(fDesc))/(2*fA);
             printf("\nThe Roots are Real and distinct, they are
\n");
             printf("\nRoot1 = %g and Root2 = %g\n",fX1,fX2);
      }
```