

50] Write a program to accept three quadratic eqn calculate and display roots of quadratic eqn.

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

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

```
int main()
```

```
{ double a, b, c, d, x1, x2;
```

```
/* Read input data */
```

```
printf("\na = ");
```

```
scanf("%f", &a);
```

```
printf("\nb = ");
```

```
scanf("%f", &b);
```

```
printf("\nc = ");
```

```
scanf("%f", &c);
```

```
/* Perform calculation */
```

```
d = sqrt(b*b - 4*a*c);
```

```
x1 = (-b + d) / (2*a);
```

```
x2 = (-b - d) / (2*a);
```

```
/* Display output */
```

```
printf("\nx1 = %.123e x2 = %.123e\n", x1, x2);
```

```
return();
```

```
}
```