

```
C:\Users\disha\OneDrive\Desktop>java a
Name: Disha H Jain
USN: 1BM23CS095
Enter coefficient a (non-zero):
1
Enter coefficient b:
8
Enter coefficient c:
12
Real and distinct roots:
r1 = -6.0, r2 = -2.0

C:\Users\disha\OneDrive\Desktop>javac a.java

C:\Users\disha\OneDrive\Desktop>java a
Name: Disha H Jain
USN: 1BM23CS095
Enter coefficient a (non-zero):
-4
Enter coefficient b:
12
Enter coefficient c:
-9
Real and equal roots:
r1 = r2 = 1.5
```

```
C:\Users\disha\OneDrive\Desktop>java a
Name: Disha H Jain
USN: 1BM23CS095
Enter coefficient a (non-zero):
1 -3 10
Enter coefficient b:
Enter coefficient c:
Imaginary roots:
Root 1: 1.5 + 2.7838821814150108i
Root 2: 1.5 - 2.7838821814150108i
```