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                        Java Programming
                 for binary scarch.
 Java
      Program
      Program using asithmatic operations.
Java
                           Answers
impost java. util *;
Rublic class Binary
   Public Static Void main (String [] args)
     Scannes input = trow Scannes (System. in);
     inth = input.nextInt();
      int [] axx = new int [n];
     for (inti=o; Kn; i++)
        ass [i] = input. nextInt();
        Arrays. Sort (arr);
         int key = input.nextInt();
         Int f=0, L=axx.length-1;
         int mid= (F+L)/2;
          while (P<L) 5
              if (arr [mid] == key) {
               "System. out . println ("The value found at"+ mid);
                   break; ?
                   else if (arr [mid] < key) f
                       F= mid+1;
                    esses
                     2 L= mid-1;
                    mid = (F+1)/2;
                  3
if (F>1) {
                       System.out.println ("The value not fount");
```

Class Test

```
The value found at 2.
import java-util.*;
Public class arithmatics
   Public Static void main (String [] args) {
     Scanner in put = new Scanner (System.in);
      int a = input nextInt();
       int b = input.nextInt();
       System.out. pointen (" The addition is "+ (a+b));
       System.out. pointln (" the subtraction is "+ (a-b));
       System. out. Println ("The multiplication is "+ (a* b));
       System.out. pointln ("The audient is" + (a/b));
       addition is 15.
      addition is
TK/0
 The subtraction is 5
The multipplication is 50
The Division is 2.
```