

J cheran kumar

Java 1

Sap id : 51834869

Answers.....

2)

import java.util.Arrays;

public class Main

{

private static int[] mergeArray(int[] array1, int[] array2)

{

System.out.println("Author:J. Cheran kumar\nSAP ID:51834769");

int[] mergedArray = new int[array1.length + array2.length];

int a=0, b=0, c=0;

while (a < array1.length)

{

mergedArray[c] = array1[a];

a++;

c++;

}

```

while (b < array2.length)
{
    mergedArray[c] = array2[b];

    b++;

    c++;
}

Arrays.sort(mergedArray);

return mergedArray;
}

public static void main(String[] args)
{
    int[] array1 = new int[] {12, -7, 18, 9, 37, -1, 21};

    int[] array2 = new int[] {27, 8, 71, -9, 18};

    int[] mergedArray = mergeArray(array1, array2);

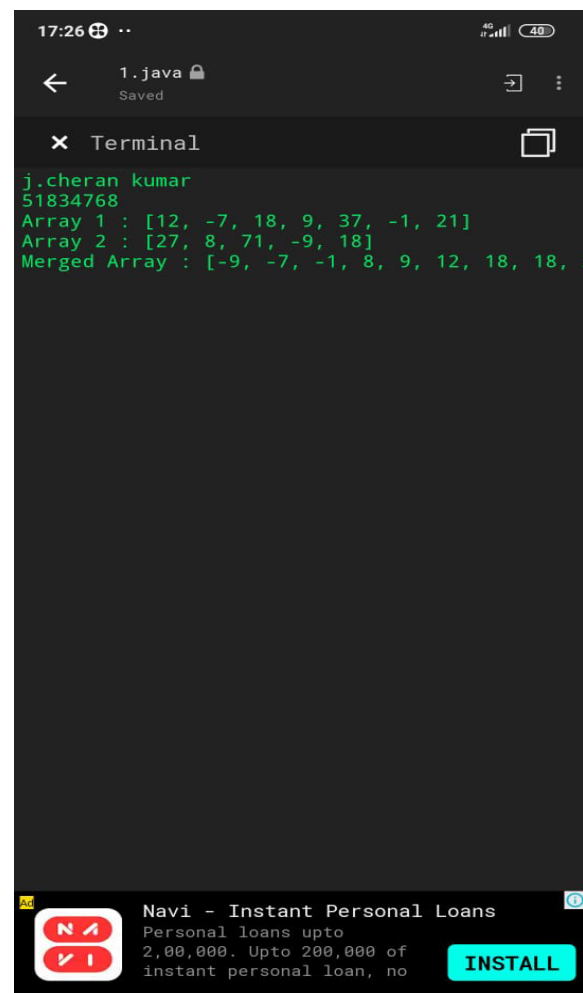
    System.out.println("Array 1 : "+Arrays.toString(array1));

    System.out.println("Array 2 : "+Arrays.toString(array2));

    System.out.println("Merged Array : "+Arrays.toString(mergedArray));

```

```
}  
  
}
```



The screenshot shows a mobile application interface with a terminal window. The terminal displays the following output:

```
j.cheran kumar  
51834768  
Array 1 : [12, -7, 18, 9, 37, -1, 21]  
Array 2 : [27, 8, 71, -9, 18]  
Merged Array : [-9, -7, -1, 8, 9, 12, 18, 18, 21, 27, 37, 71]
```

At the bottom of the screen, there is an advertisement for 'Navi - Instant Personal Loans' with an 'INSTALL' button.

5)

```
import java.util.Scanner;
```

```
public class Main
```

```
{
```

```
    public static void main(String args[])
```

```
    {
```

```
        System.out.println("Author:D.Aditya Varma\nSAP ID:51834693");
```

```
        System.out.println("Enter the string");
```

```
Scanner sc = new Scanner(System.in);
```

```
String a = sc.nextLine();
```

```
int count = 1;
```

```
for (int x = 0; x < a.length() - 1; x++)
```

```
{
```

```
    if ((a.charAt(x) == ' ') && (a.charAt(x + 1) != ' '))
```

```
    {
```

```
        count++;
```

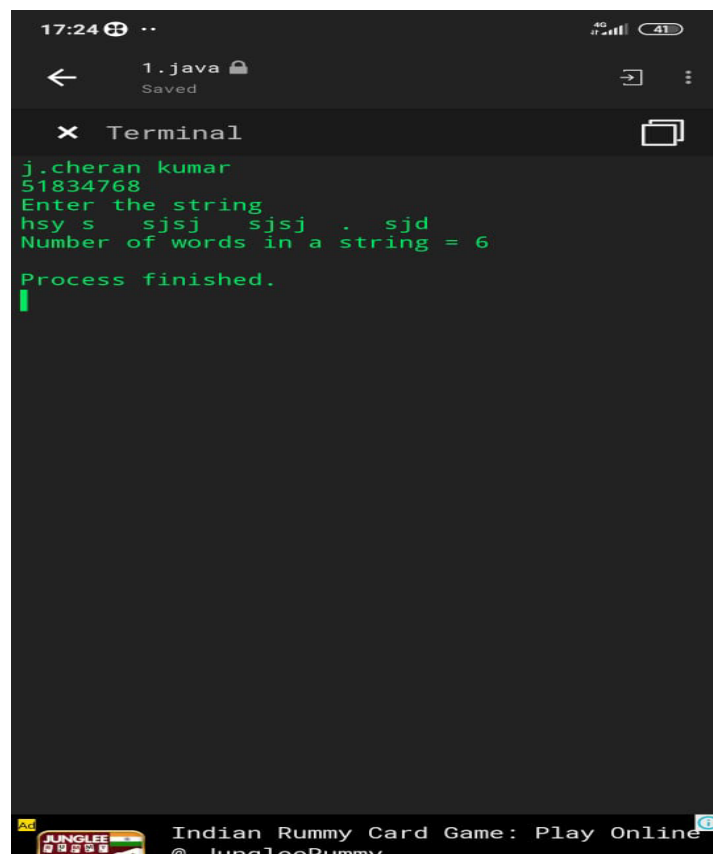
```
    }
```

```
}
```

```
System.out.println("Number of words in a string = " + count);
```

```
}
```

```
}
```



The screenshot shows a mobile terminal application interface. At the top, the status bar displays the time 17:24, signal strength, and battery level at 41%. The app's title bar shows '1.java' with a lock icon and a 'Saved' status. Below the title bar, there's a 'Terminal' header with a close button (X) and a window icon. The terminal content shows the following sequence of text: the user 'j.cheran kumar' enters their ID '51834768', followed by the prompt 'Enter the string'. The user inputs 'hsy s sjsj sjsj . sjd'. The program then outputs 'Number of words in a string = 6' and 'Process finished.' followed by a green cursor line. At the bottom of the screen, there is an advertisement for 'JUNGLEE Indian Rummy Card Game: Play Online @ JungleeRummy'.

```
17:24 1.java Saved
Terminal
j.cheran kumar
51834768
Enter the string
hsy s sjsj sjsj . sjd
Number of words in a string = 6
Process finished.
|
```

Marks : 12.50

: 6.25