Scala Assignment

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Task-1)Bucketise the given array[Double] into buckets having range interval (x, x+0.049).

```
0.000 - 0.049

0.050 - 0.099

0.100 - 0.149

0.150 - 0.199

0.200 - 0.249

0.250 - 0.299

0.300 - 0.349

0.350 - 0.399

...

100.000 - 100.049
```

Sample -

12.05, 12.03, 10.33, 11.45, 13.50

Output- [12.050-12.099, 12.050-12.099, 10.300-10.349, 11.450-11.499, 13.500-13.549]

Code:

```
\blacksquare \square \square \square \square bucket \triangledown \square \textcircled{$\sharp$} \square
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Q # 🔰
     A 2 ^ v b
■ > ■.bsp
                  > ■ .idea
                                                                                        3 ▶ ☐ def main(args: Array[String]): Unit = {
                   > 🎼 project [assign
                                                                                                                      val arr = (0.000d to 101.000d by 0.050d).toArray

✓ ■ main

                             .localized 11
                             指 build.sbt
                                                                                                                                def search(arr: Array[BigDecimal], n: Double): Unit = {
                                                                                                                                     var low = 0
                                                                                                                                      var high = arr.length - 1
                                                                                                                                         if (n >= arr(middle) && n < arr(middle + 1)) {</pre>
 Run: 📃 bucket

$\mathcal{V}$ Version Control  

$\mathcal{L}$ Run  

$\mathcal{E}$ TODO  

$\mathcal{O}$ Problems  

$\mathcal{L}$ Terminal  

$\lambda$ Build  

$\bar{\pi}$ Dependencies  

$\mathcal{L}$ sbt shell  

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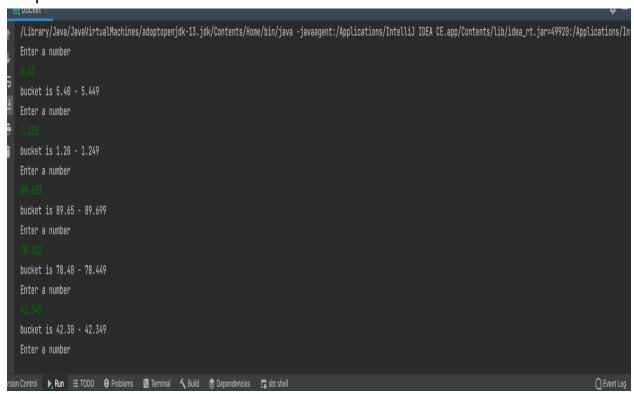
$\mathcal{L}$ Suild  

$\bar{\pi}$ Suild  

$\mathcal{L}$ Suild  

 ☐ Build completed successfully in 2 sec, 738 ms (4 minutes ago)
```

Output:



Q2) For given players statistics..

Found the below -

- 1. Player with the best highest run scored.
- 2. Top 5 players by run scored.
- 3. Top 5 players by wicket taken.
- 4. Rank players with overall performance give weight 5x to wicket taken and (5/100)x to run scored.

Sample -

Year, PlayerName, Country, Matches, Runs, Wickets

2021, Sam, India, 23, 2300, 3

2021, Ram, India, 23, 300, 30

2021, Mano, India, 23, 300, 13

Code:

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| Comparison | Compari
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```

Output: