TASK - SATURDAY

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21MIS0332

TO FIND STUDENT WITH HIGHEST MARKS:

```
workspace - Java - MongoDB_Practice/src/Task_Saturday.java - Eclipse
File Edit Source Refactor Navigate Search Project Run Window Help
# Package E... 🗵 🖳 🗓 JDBC_SQLjava 🗓 MONGODB.java 🗓 Connection_Practice.java 🗓 DocInDoc.java 🚨 *Task_Saturday.java 🗵
                      % 1 import java.util.ArrayList;
 > @ MONGO_JDBC
                          public class Task_Saturday {
public static void main(String[] args) {
  MongoDB_Practice
  workspace
                                     MongoClient mongoClient = MongoClients.create("mongodb://localhost:27017");
MongoDatabase database = mongoClient.getDatabase("Saturday");
database.createCollection("Students");
                         Document document2 = new Document("First_Name", "Karthik")
.append("Last Name", "K")
.append("Mark", 78)
.append("Mary", 22);
                                    Document document3 = new Document("First_Name", "Soma")
.append("Last Name", "Sekhar")
.append("Mark", 91)
.append("Age", 21);
                                   Documents.add(document3);
Documents.add(document4);
                                     collection.insertMany(Documents);
                                     MongoCollection<Document> col = database.getCollection("Students");
FindIterable<Document> docs = col.find().sort(new BasicDBObject("Mark",-1)).limit(1);
                                     if (docs!=null)
```

OUTPUT:

```
Problems @ Javadoc Declaration Console Sterminated  

terminated  

Task_Saturday | Java Application | C\Program Files\Java\jre1.8.0_361\bin\javaw.exe (18-Jun-2024, 6:30:58 PM)

Jun 18, 2024 6:30:58 PM com.mongodb.diagnostics.logging.Loggers shouldUseSLF4J

WARNING: SLF4J not found on the classpath. Logging is disabled for the 'org.mongodb.driver' component

Highest Marks are:

Document{{ id=666da75b226fb16a6e9e2ad1, First_Name=Soma, Last_Name=Sekhar, Mark=91, Age=21}}

Document{{ id=666fc3f38437f23825f8d951, First_Name=Kamal, Last_Name=Haasan, Mark=91, Age=23}}
```

TO FIND LOWEST SALARY OF EMPLOYEE BETWEEN AGE OF 30 TO 40

```
workspace - Java - MongoDB_Practice/src/Task_Saturday.java - Eclipse
File Edit Source Refactor Navigate Search Project Run Window Help
I Package E... ⋈ 🖰 🗖 🖸 JDBC_SQLjava 🗓 MONGODB.java 🗓 Connection_Practice.java 🗓 DocInDoc.java 🖟 *Task_Saturday.java ⋈
                       69 }*/
% 70*import java.util.ArrayList;...
 >  MONGO JDBC
 > P MongoDB_Practice
                         85 public class Task_Saturday(
860 public static void main(String[] args) {
  > 🐸 workspace
                                    MongoClient mongoClient = MongoClients.create("mongodb://localhost:27017");
MongoDatabase database = mongoClient.getDatabase("Saturday");
database.createCollection("Employee");
                         91
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                                    Document document2 = new Document("First_Name", "Karthik")
    .append("Last_Name", "K")
    .append("Salary", 78000)
    .append("Age", 32);
                                   Document document5 = new Document("First_Name", "suriya")
.append("Last_Name", "Kumar")
.append("Salary", 68000)
.append("Age", 30);
                                    Document document6 = new Document("First_Name", "rohit")
    .append("Last_Name", "reddy")
    .append("Salary", 86000)
```

```
workspace - Java - MongoDB_Practice/src/Task_Saturday.java - Eclipse
ïle Edit Source Refactor Navigate Search Project Run Window Help
> MONGO_JDBC
> MongoDB_Practice
                                 > WIT JDBS
>  workspace
                                   collection.insertMany(Documents);
MongoCollection<Document> col = database.getCollection("Employee");
MongoCollection(Document> docs = col.find();
database.createCollection("Age_3 to_ 40");
MongoCollection<Document> col2 = database.getCollection("Age_30_to_40");
for (Document doc : docs)
{
                                          System.out.println(doc);
                                   int min_age=30;
int max_age=40;
List<Document> List = new ArrayList<>();
for(int i=min_age;i<=max_age;i++)</pre>
                                   for (Document doc3 : col.find(new Document("Age",i)))
                                       List.add(doc3);
                                    ,
col2.insertMany(List);
                                   System. out. println ("Betwee for (Document doc : List)
                                                              etween 30 and 40 age are:");
                                       System.out.println(doc);
```

```
workspace - Java - MongoDB_Practice/src/Task_Saturday.java - Eclipse
  File Edit Source Refactor Navigate Search Project Run Window Help
# Package E... 
□ □ JDBC_SQLjava □ MONGODB,java □ Connection_Practice.java □ DocInDoc.java □ *Task_Saturday.java □ DocInDoc.java □ *Task_Saturday.java □ DocInDoc.java □ *Task_Saturday.java □ *Task_
                                                                                                       Documents.add(document4);
Documents.add(document5);
Documents.add(document6);
     ⇒ ₩ONGO IDBC
     >  MongoDB_Practice
        workspace
                                                                         134
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                                                                                                                            System.out.println(doc);
                                                                                                        int min_age=30;
int max_age=40;
List<Document> List = | new ArrayList<>();
for(int i=min_age;i<=max_age;i++)</pre>
                                                                                                           for (Document doc3 : col.find(new Document("Age",i)))
                                                                                                                      List.add(doc3);
                                                                                                          col2.insertMany(List);
System.out.println("Between 30 and 40 age are:");
                                                                                                          for (Document doc : List)
                                                                                                                      System.out.println(doc);
                                                                                                          }
System.out.println("Lowest salary among these is:");
FindIterable<Document lowsalary = col2.find().sort(new BasicDBObject("Salary",1)).limit(1);
for(Document doc2 : lowsalary)
                                                                                                                      System.out.println(doc2);
                                                                                                          database.getCollection("Age_30_to_40").drop();
                                                                       164 }
165
166
```

OUTPUT:

```
Between 30 and 40 age are:

Document{{ id=666fc9a91b13ff14c0945c26, First_Name=suriya, Last_Name=Kumar, Salary=68000, Age=30}}

Document{{ id=666fc9a91b13ff14c0945c23, First_Name=Karthik, Last_Name=K, Salary=78000, Age=32}}

Document{{ id=666fc9a91b13ff14c0945c25, First_Name=Rajini, Last_Name=Kanth, Salary=72000, Age=39}}

Lowest salary among these is:

Document{{ id=666fc9a91b13ff14c0945c26, First_Name=suriya, Last_Name=Kumar, Salary=68000, Age=30}}
```