

Chapter 15 Advance Java Practice Set Questions by Munawar

Questions

1. Create an Array List and store names of 10 students inside it But using a for each loop.

Solution

```
// Question 1
ArrayList arr=new ArrayList();
arr.add("Student 1");
arr.add("Student 2");
arr.add("Student 3");
arr.add("Student 4");
arr.add("Student 5");
arr.add("Student 6");
arr.add("Student 7");
arr.add("Student 8");
arr.add("Student 9");
arr.add("Student 10");
for (Object o: arr){
    System.out.println(o);
}
```

2. Use the Date class in java to print time in the following format:

8:22:35

Solution

```
// Question 2
Date d=new Date();
System.out.println(d.getHours()+"-"+d.getMinutes()+"-"+d.getSeconds());
```

3. Repeat Question 2 using calendar class.

Solution

```
// Question 3
Calendar cal=Calendar.getInstance();
System.out.println(cal.get(Calendar.HOUR)+"-"+
cal.get(Calendar.MINUTE)+"-"+cal.get(Calendar.SECOND));
```

4. Repeat Question 2 using java time API.

Solution

```
// Question 4
LocalTime datetime=LocalTime.now();
DateTimeFormatter datefarmeter=DateTimeFormatter.ofPattern("H//m//s");
String mydate= datetime.format(datefarmeter);
System.out.println(mydate);
```

5. Create a Set in java. Try to store duplicate elements inside this Set and verify that only one instance is stored.

Solution

```
// Question 5
HashSet<Integer> s=new HashSet();
s.add(10);
s.add(19);
s.add(100);
s.add(200);
s.add(10);
System.out.println(s);
```

Source code:

```
import java.lang.reflect.Array;
import java.time.LocalDate;
import java.time.LocalDateTime;
import java.time.format.DateTimeFormatter;
import java.util.*;
import java.time.LocalTime;

public class NewTask {
    public static void main(String[] args) {
        // Question 1
        ArrayList arr=new ArrayList();
        arr.add("Student 1");
        arr.add("Student 2");
        arr.add("Student 3");
        arr.add("Student 4");
```

```

//      arr.add("Student 5");
//      arr.add("Student 6");
//      arr.add("Student 7");
//      arr.add("Student 8");
//      arr.add("Student 9");
//      arr.add("Student 10");
//      for (Object o: arr){
//          System.out.println(o);
//      }

//
//      // Question 5
//      HashSet<Integer> s=new HashSet();
//      s.add(10);
//      s.add(19);
//      s.add(100);
//      s.add(200);
//      s.add(10);
//      System.out.println(s);

//      // Question 2
//      Date d=new Date();
//
//      System.out.println(d.getHours()+" "+d.getMinutes()+" "+d.getSeconds());

//      // Question 3
//      Calendar cal=Calendar.getInstance();
//      System.out.println(cal.get(Calendar.HOUR)+" "+
cal.get(Calendar.MINUTE)+" "+cal.get(Calendar.SECOND));

//      // Question 4
//      LocalDateTime datetime=LocalTime.now();
//      DateTimeFormatter
datefarmeter=DateTimeFormatter.ofPattern("H/m/s");
//      String mydate= datetime.format(datefarmeter);
//      System.out.println(mydate);
//  }
}

```

Thank You