SunBeam Institute of Information Technology Java

Assignment 9

Q1. Create a menu driven code that have below menus

1. add the student in the collection - accept the details from user and add in the collection 2. Display all the students using iterator.

3. search the student on rollno and if found display his details.

4. sort the students on rollno

5. sort the students on name

6. sort the students on marks

(**Hint -** use List Interface and Object of ArrayList)

Optional

Q2. Maintain a HashSet of projects and perform given operations in a menu-driven program.

Ensure that projects are not duplicated by the project id in the set.

Each project information includes int id, String title, int teamSize, double projectCost , String technology.

1. Add Dummy Data of Projects in the Set

2. Input a Project from user and add in Set

3. Display all Projects in Set

4. Delete a Project by Id from Set

5. Copy All Projects from Set to ArrayList

6. Display all Projects from List

7. Sort all Projects in List by cost

8. Find project with Max team size using Collections.max()

Dummy Data

- new Project(1, "Train Reservation System", 5000000, "Java")

- new Project(2, "Airline Reservation System",3, 6000000, ".NET")

- new Project(4, "Online Grocery Shop", 6, 3000000, "Java")

- new Project(5, "Online Book Shop", 2, 3000000, ".NET")

- new Project(3, "Online Jewelry Shop", 4, 4000000, "Java")

- new Project(2, "Bus Reservation System", 3, 3500000, "JS")