Session2

25/07/2024

Menu:

1. Insert student record

2. Calculate GPA for all students

3. Delete a course

4. Insert a new course

5. Update a course for two students

6. Upgrade grade

7. Generate grade report

8. Save and exit

Enter your choice: 1

Enter roll number: 1

Enter name: a

Enter department: cse

Enter number of courses (3 or 4): 3

Enter course1 name: os

Enter course1 credits: 3

Enter course1 grade(S,A,B,C,D,E,F):S

Enter course2 name: dbms

Enter course2 credits: 3

Enter course2 grade(S,A,B,C,D,E,F):A

Enter course3 name: flat

Enter course3 credits: 4

Enter course3 grade(S,A,B,C,D,E,F):S

Student record inserted.

Menu:

1. Insert student record

2. Calculate GPA for all students

3. Delete a course

4. Insert a new course

5. Update a course for two students

6. Upgrade grade

7. Generate grade report

8. Save and exit

Enter your choice: 2

GPA calculated for all students.

Menu:

1. Insert student record

2. Calculate GPA for all students

3. Delete a course

4. Insert a new course

5. Update a course for two students

6. Upgrade grade

7. Generate grade report

8. Save and exit

Enter your choice: 7

Enter roll number: 2

Student not found.

Menu:

1. Insert student record

2. Calculate GPA for all students

3. Delete a course

4. Insert a new course

5. Update a course for two students

6. Upgrade grade

7. Generate grade report

8. Save and exit

Enter your choice: 7

Enter roll number: 1

Grade report for a (Roll No: 1):

Course: os, Credits: 3, Grade: S

Course: dbms, Credits: 3, Grade: A

Course: flat, Credits: 4, Grade: S

GPA: 9.70

Menu:

1. Insert student record

2. Calculate GPA for all students

3. Delete a course

4. Insert a new course

5. Update a course for two students

6. Upgrade grade

7. Generate grade report

8. Save and exit

Enter your choice: 1

Enter roll number: 2

Enter name: b

Enter department: cse

Enter number of courses (3 or 4): 4

Enter course1 name: os

Enter course1 credits: 3

Enter course1 grade(S,A,B,C,D,E,F):S

Enter course2 name: dbms

Enter course2 credits: 3

Enter course2 grade(S,A,B,C,D,E,F):S

Enter course3 name: flat

Enter course3 credits: 4

Enter course3 grade(S,A,B,C,D,E,F):S

Enter course4 name: CC

Enter course4 credits: 3

Enter course4 grade(S,A,B,C,D,E,F):A

Student record inserted.

Menu:

1. Insert student record

2. Calculate GPA for all students

3. Delete a course

4. Insert a new course

5. Update a course for two students

6. Upgrade grade

7. Generate grade report

8. Save and exit

Enter your choice: 2

GPA calculated for all students.

Menu:

1. Insert student record

2. Calculate GPA for all students

3. Delete a course

4. Insert a new course

5. Update a course for two students

6. Upgrade grade

7. Generate grade report

8. Save and exit

Enter your choice: 7

Enter roll number: 1

Grade report for a (Roll No: 1):

Course: os, Credits: 3, Grade: S

Course: dbms, Credits: 3, Grade: A

Course: flat, Credits: 4, Grade: S

GPA: 9.70

Menu:

1. Insert student record

2. Calculate GPA for all students

3. Delete a course

4. Insert a new course

5. Update a course for two students

6. Upgrade grade

7. Generate grade report

8. Save and exit

Enter your choice: 7

Enter roll number: 2

Grade report for b (Roll No: 2):

Course: os, Credits: 3, Grade: S

Course: dbms, Credits: 3, Grade: S

Course: flat, Credits: 4, Grade: S

Course: CC, Credits: 3, Grade: A

GPA: 9.77

Menu:

1. Insert student record

2. Calculate GPA for all students

3. Delete a course

4. Insert a new course

5. Update a course for two students

6. Upgrade grade

7. Generate grade report

8. Save and exit

Enter your choice: 3

Enter roll number: 1

Student does not have 4 courses.

Menu:

1. Insert student record

2. Calculate GPA for all students

3. Delete a course

4. Insert a new course

5. Update a course for two students

6. Upgrade grade

7. Generate grade report

8. Save and exit

Enter your choice: 3

Enter roll number: 2

Last course deregistered for student with roll number 2.

Menu:

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4. Insert a new course

5. Update a course for two students

6. Upgrade grade

7. Generate grade report

8. Save and exit

Enter your choice: 4

Enter roll number: 1

Enter new course name: cc

Enter course credits: 3

Enter course grade (integer): S

New course inserted for student with roll number 1.

Menu:

1. Insert student record

2. Calculate GPA for all students

3. Delete a course

4. Insert a new course

5. Update a course for two students

6. Upgrade grade

7. Generate grade report

8. Save and exit

Enter your choice: 5

Enter roll number of student to update course: 1

Registered Courses:

os   dbms   flat   cc

Enter course name to update: os

Enter new course name: daa

Course updated for student with roll number 1.

Enter roll number of student to update course: 2

Registered Courses:

os   dbms   flat

Enter course name to update: flat

Enter new course name: AI

Course updated for student with roll number 2.

Menu:

1. Insert student record

2. Calculate GPA for all students

3. Delete a course

4. Insert a new course

5. Update a course for two students

6. Upgrade grade

7. Generate grade report

8. Save and exit

Enter your choice: 1

Enter roll number: 3

Enter name: c

Enter department: cse

Enter number of courses (3 or 4): 3

Enter course1 name: os

Enter course1 credits: 3

Enter course1 grade(S,A,B,C,D,E,F):C

Enter course2 name: flat

Enter course2 credits: 4

Enter course2 grade(S,A,B,C,D,E,F):B

Enter course3 name: cc

Enter course3 credits: 3

Enter course3 grade(S,A,B,C,D,E,F):D

Student record inserted.

Menu:

1. Insert student record

2. Calculate GPA for all students

3. Delete a course

4. Insert a new course

5. Update a course for two students

6. Upgrade grade

7. Generate grade report

8. Save and exit

Enter your choice: 2

GPA calculated for all students.

Menu:

1. Insert student record

2. Calculate GPA for all students

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5. Update a course for two students

6. Upgrade grade

7. Generate grade report

8. Save and exit

Enter your choice: 6

Enter roll number: 3

Grade upgraded for student with roll number 3.

Menu:

1. Insert student record

2. Calculate GPA for all students

3. Delete a course

4. Insert a new course

5. Update a course for two students

6. Upgrade grade

7. Generate grade report

8. Save and exit

Enter your choice: 2

GPA calculated for all students.

Menu:

1. Insert student record

2. Calculate GPA for all students

3. Delete a course

4. Insert a new course

5. Update a course for two students

6. Upgrade grade

7. Generate grade report

8. Save and exit

Enter your choice: 7

Enter roll number: 3

Grade report for c (Roll No: 3):

Course: os, Credits: 3, Grade: C

Course: flat, Credits: 4, Grade: B

Course: cc, Credits: 3, Grade: D

GPA: 7.10

Menu:

1. Insert student record

2. Calculate GPA for all students

3. Delete a course

4. Insert a new course

5. Update a course for two students

6. Upgrade grade

7. Generate grade report

8. Save and exit

Enter your choice: 7

Enter roll number: 3

Grade report for c (Roll No: 3):

Course: os, Credits: 3, Grade: B

Course: flat, Credits: 4, Grade: B

Course: cc, Credits: 3, Grade: D

GPA: 7.40

Menu:

1. Insert student record

2. Calculate GPA for all students

3. Delete a course

4. Insert a new course

5. Update a course for two students

6. Upgrade grade

7. Generate grade report

8. Save and exit

Enter your choice: 8

Data saved.