

```
1.Add Student
2.Display All
3.Find by Grade
4.Class Average and Above/Below
5.Search by Roll Number
6.Search by Name
7.Exit
Choice: 1
Name: Alex
Roll Number: 1001
Marks for Subject 1 (0-100): 86
Marks for Subject 2 (0-100): 75
Marks for Subject 3 (0-100): 79
Added!
```

```
1.Add Student
2.Display All
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6.Search by Name
7.Exit
Choice: 1
Name: Sarah
Roll Number: 1002
Marks for Subject 1 (0-100): 98
Marks for Subject 2 (0-100): 95
Marks for Subject 3 (0-100): 96
Added!
```

```
1.Add Student
2.Display All
3.Find by Grade
4.Class Average and Above/Below
5.Search by Roll Number
6.Search by Name
7.Exit
Choice: 1
Name: Charles
Roll Number: 1003
Marks for Subject 1 (0-100): 87
Marks for Subject 2 (0-100): 89
Marks for Subject 3 (0-100): 82
Added!
```

```
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```
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6.Search by Name
7.Exit
Choice: 1
Name: John
Roll Number: 1004
Marks for Subject 1 (0-100): 54
Marks for Subject 2 (0-100): 34
Marks for Subject 3 (0-100): 45
Added!
```

```
1.Add Student
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6.Search by Name
7.Exit
Choice: 1
Name: James
Roll Number: 1005
Marks for Subject 1 (0-100): 66
Marks for Subject 2 (0-100): 67
Marks for Subject 3 (0-100): 59
Added!
```

```
1.Add Student
2.Display All
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4.Class Average and Above/Below
5.Search by Roll Number
6.Search by Name
7.Exit
Choice: 1
Name: Olive
Roll Number: 1006
Marks for Subject 1 (0-100): 34
Marks for Subject 2 (0-100): 39
Marks for Subject 3 (0-100): 56
Added!
```

```
1.Add Student
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```

2.Display All  
3.Find by Grade  
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6.Search by Name  
7.Exit  
Choice: 2

Name	RollNo	Sub1	Sub2	Sub3	Percentage	Grade
Alex	1001	86.00	75.00	79.00	80.00	A
Sarah	1002	98.00	95.00	96.00	96.33	A+
Charles	1003	87.00	89.00	82.00	86.00	A
John	1004	54.00	34.00	45.00	44.33	F
James	1005	66.00	67.00	59.00	64.00	B
Olive	1006	34.00	39.00	56.00	43.00	F

1.Add Student  
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7.Exit  
Choice: 3  
Grade (A+, A, B+, B, C, F): A+

Name	RollNo	Percentage
Sarah	1002	96.33

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5.Search by Roll Number  
6.Search by Name  
7.Exit  
Choice: 3  
Grade (A+, A, B+, B, C, F): A

Name	RollNo	Percentage
Alex	1001	80.00
Charles	1003	86.00

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6.Search by Name  
7.Exit

Choice: 4

Class Average: 68.94

Above Average:

Name	RollNo	Percentage
------	--------	------------

Alex	1001	80.00
Sarah	1002	96.33
Charles	1003	86.00

Below Average:

Name	RollNo	Percentage
------	--------	------------

John	1004	44.33
James	1005	64.00
Olive	1006	43.00

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5.Search by Roll Number  
6.Search by Name  
7.Exit

Choice: 5

Roll Number: 1002

Name	RollNo	Sub1	Sub2	Sub3	Percentage	Grade
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Sarah	1002	98.00	95.00	96.00	96.33	A+
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1.Add Student  
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4.Class Average and Above/Below  
5.Search by Roll Number  
6.Search by Name  
7.Exit

Choice: 6

Name: Olive

Name	RollNo	Sub1	Sub2	Sub3	Percentage	Grade
------	--------	------	------	------	------------	-------

Olive	1006	34.00	39.00	56.00	43.00	F
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```
/.EXIT  
Choice: 6  
Name: Olive
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Name	RollNo	Sub1	Sub2	Sub3	Percentage	Grade
Olive	1006	34.00	39.00	56.00	43.00	F

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- 7.Exit

```
Choice: 7
```

```
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Process exited after 200 seconds with return value 0  
Press any key to continue . . .
```