

Lab sheet 8 outputs

```
C:\Users\sirixdel\Documents\Lab_sheet_8.q1.exe
Enetr the following details of students

student 1 detail:
ID no (with ten number):9923232327
Name (represent space with '_'):Dinusha_Fernando
Address (represent space with '_'):123/3,Miriswaththa,Gampaha.
Age:21
Marks:78

student 2 detail:
ID no (with ten number):9889878899
Name (represent space with '_'):Nethuki_Amaya
Address (represent space with '_'):No12,Aruppola,Kandy.
Age:22
Marks:97

student 3 detail:
ID no (with ten number):9832774332
Name (represent space with '_'):Indula_Rajapaksha
Address (represent space with '_'):172/3,Illukwaththa_road,Pilimathalawa.
Age:22
Marks:65

student 4 detail:
ID no (with ten number):9789876546
Name (represent space with '_'):Asela_Bandara
Address (represent space with '_'):No36,Mihinhale,Anuradhapura.
Age:23
Marks:55

student 5 detail:
ID no (with ten number):9956769988
Name (represent space with '_'):Priyanthi_Navarathna
Address (represent space with '_'):23/12,Unawatuna,Galle.
Age:21
Marks:80

Select C:\Users\sirixdel\Documents\Lab_sheet_8.q1.exe
Student ID:1333297735
Student Name:Dinusha_Fernando
Age:21
Address:123/3,Miriswaththa,Gampaha.
Marks:78.0

Students detail

Student 2
Student ID:1299944307
Student Name:Nethuki_Amaya
Age:22
Address:No12,Aruppola,Kandy.
Marks:97.0

Students detail

Student 3
Student ID:1242839740
Student Name:Indula_Rajapaksha
Age:22
Address:172/3,Illukwaththa_road,Pilimathalawa.
Marks:65.0

Students detail

Student 4
Student ID:1199941954
Student Name:Asela_Bandara
Age:23
Address:No36,Mihinhale,Anuradhapura.
Marks:55.0

Students detail

Student 5
Student ID:1366835396
Student Name:Priyanthi_Navarathna
Age:21
Address:23/12,Unawatuna,Galle.
Marks:80.0
```

```
C:\Users\sixdel\Documents\Lab_sheet_8_q2.exe
Enter 1st the distance
Enter the feet:23
Enter the inch:11.76

Enter 2nd the distance
Enter the feet:43
Enter the inch:8.32

Sum is 67 feet 8.080000 inch
-----
Process exited after 14.33 seconds with return value 29
Press any key to continue . . .
```

```
C:\Users\sixdel\Documents\Lab_sheet_8_q3.exe
Enter the students details

Enetr the student 1 detail:

Student ID no (with 4 numbers):3232
Name of student:
Anupama
Chemistry Marks (Out of 100):
78
Maths Marks (Out of 100):
98
Physics marks (Out of 100):
97

Enetr the student 2 detail:

Student ID no (with 4 numbers):3243
Name of student:
Dinusha
Chemistry Marks (Out of 100):
79
Maths Marks (Out of 100):
89
Physics marks (Out of 100):
89

Enetr the student 3 detail:

Student ID no (with 4 numbers):2323
Name of student:
Sandun
Chemistry Marks (Out of 100):
43
Maths Marks (Out of 100):
33
Physics marks (Out of 100):
45

Enetr the student 4 detail:
```

```
C:\Users\sinoxdel\Documents\Lab_sheet_8_q3.exe
Maths Marks (Out of 100):
34
Physics marks (Out of 100):
54

Enetr the student 5 detail:

Student ID no (with 4 numbers):4323
Name of student:
Nimal
Chemistry Marks (Out of 100):
54
Maths Marks (Out of 100):
44
Physics marks (Out of 100):
54

Percentage of student 1
91.000000

Percentage of student 2
85.666664

Percentage of student 3
40.333332

Percentage of student 4
38.666668

Percentage of student 5
50.666668
```

```
C:\Users\sinoxdel\Documents\Lab_sheet_8_q4.exe
Enter the 1st complex number
Real part:3
Imaginary part:-3

Enter the 2nd complex number
Real part:8
Imaginary part:-7

Addition of the above complex number = 11-10i

Substraction of the above complex numbers = -5+4i

Multiplication of the complex numbers = -25-45i

-----
Process exited after 14.75 seconds with return value 50
Press any key to continue . . .
```

```
C:\Users\sinxdel\Documents\Lab_sheet_8.q5.exe
Enter the number of student in the class (between 10 and 20) : 11

Enetr the student 1 detail:
Student's ID no (with 4 numbers):5843
First Name of the student:Dinusha
Age of the student (between 11-14):14

Enetr the student 2 detail:
Student's ID no (with 4 numbers):2323
First Name of the student:Dineth
Age of the student (between 11-14):12

Enetr the student 3 detail:
Student's ID no (with 4 numbers):4893
First Name of the student:Denuwana
Age of the student (between 11-14):14

Enetr the student 4 detail:
Student's ID no (with 4 numbers):2842
First Name of the student:Piyal
Age of the student (between 11-14):12

Enetr the student 5 detail:
Student's ID no (with 4 numbers):8494
First Name of the student:Saman
Age of the student (between 11-14):12

Enetr the student 6 detail:
Student's ID no (with 4 numbers):4832
First Name of the student:Sunil
Age of the student (between 11-14):14

Enetr the student 7 detail:
Student's ID no (with 4 numbers):8464
First Name of the student:Nimal
Age of the student (between 11-14):13

Enetr the student 8 detail:
Student's ID no (with 4 numbers):2353
First Name of the student:Anurudda
Age of the student (between 11-14):14

Enetr the student 9 detail:
Student's ID no (with 4 numbers):4983
First Name of the student:Nethusha
Age of the student (between 11-14):11

Enetr the student 10 detail:
Student's ID no (with 4 numbers):7657
First Name of the student:Kamal
Age of the student (between 11-14):12

Enetr the student 11 detail:
Student's ID no (with 4 numbers):9956
First Name of the student:Janith
Age of the student (between 11-14):11

Students who is 14 years old
Dinusha
Denuwana
Sunil
Anurudda

Students having even id numbers
Piyal
Saman
Sunil
Nimal
Janith

Enter the id to search (include 4 numbers)
7657
Student's name is Kamal
Student age is 12
-----
Process exited after 214.8 seconds with return value 11
Press any key to continue . . .
```

```
C:\Users\sinxdel\Documents\Lab_sheet_8.q6.exe
Number of customers in bank : 11

Enter Details of Customer 1
Enter Account Number (with 8 numbers) : 12343232
Enter Name : Anupama
Enter Balance : 7000

Enter Details of Customer 2
Enter Account Number (with 8 numbers) : 43255785
Enter Name : Bhanuka
Enter Balance : 100

Enter Details of Customer 3
Enter Account Number (with 8 numbers) : 65749393
Enter Name : Kanthi
Enter Balance : 8999

Enter Details of Customer 4
Enter Account Number (with 8 numbers) : 64372844
Enter Name : Ranjith
Enter Balance : 8374

Enter Details of Customer 5
Enter Account Number (with 8 numbers) : 43985432
Enter Name : Amanda
Enter Balance : 478

Enter Details of Customer 6
Enter Account Number (with 8 numbers) : 38495433
Enter Name : Pubudu

C:\Users\sinxdel\Documents\Lab_sheet_8.q6.exe
Enter Details of Customer 6
Enter Account Number (with 8 numbers) : 38495433
Enter Name : Pubudu
Enter Balance : 123

Enter Details of Customer 7
Enter Account Number (with 8 numbers) : 43895737
Enter Name : Namal
Enter Balance : 3244

Enter Details of Customer 8
Enter Account Number (with 8 numbers) : 48930004
Enter Name : Pasan
Enter Balance : 1002

Enter Details of Customer 9
Enter Account Number (with 8 numbers) : 43980655
Enter Name : Panduka
Enter Balance : 3444

Enter Details of Customer 10
Enter Account Number (with 8 numbers) : 48759393
Enter Name : Nethuki
Enter Balance : 7327

Enter Details of Customer 11
Enter Account Number (with 8 numbers) : 47534657
Enter Name : Sunil
Enter Balance : 874
```

```
C:\Users\sinxdel\Documents\Lab_sheet_8_q6.exe

Customer Details whose Balance < 200 Rs.
Account Number : 43255785
Name           : Bhanuka
Balance        : 100
Account Number : 38495433
Name           : Pubudu
Balance        : 123

Customer Details whose Balance > 1000 with total Balance Rs.
Account Number : 12343232
Name           : Anupama
Balance        : 7100
Account Number : 65749393
Name           : Kanthi
Balance        : 9099
Account Number : 64372844
Name           : Ranjith
Balance        : 8474
Account Number : 43895737
Name           : Namal
Balance        : 3344
Account Number : 48930004
Name           : Pasan
Balance        : 1102
Account Number : 43980655
Name           : Panduka
Balance        : 3544
Account Number : 48759393
Name           : Nethuki
Balance        : 7427

-----
Process exited after 339.8 seconds with return value 0
Press any key to continue . . .
```

```
C:\Users\sinxdel\Documents\Lab_sheet_8_q7.exe

Enter the date 1
Enter the day : 13
Enter the month (in numbers) : 08
Enter the year : 2019

Enter the date 2
Enter the day : 13
Enter the month (in numbers) : 08
Enter the year : 2019

The dates are equal
-----
Process exited after 46.87 seconds with return value 20
Press any key to continue . . .
```

```
C:\Users\sinxdel\Documents\Lab_sheet_8_q8.exe
Enter the current date
Date: 23
Month: 07
Year: 2020

The final date (after add 45 day) is 6/9/2020
-----
Process exited after 18.8 seconds with return value 46
Press any key to continue . . .
```

```
C:\Users\sinxdel\Documents\Lab_sheet_8_q9.exe
How many employees in the company
10

Enter the name of employee:Anushan
Enter the salary:Rs20000
Enter the hours he/she works per day:8

Enter the name of employee:Nishadi
Enter the salary:Rs27500
Enter the hours he/she works per day:9

Enter the name of employee:Nethuki
Enter the salary:Rs45000
Enter the hours he/she works per day:13

Enter the name of employee:Pasan
Enter the salary:Rs37500
Enter the hours he/she works per day:7

Enter the name of employee:Nimal
Enter the salary:Rs25000
Enter the hours he/she works per day:10

Enter the name of employee:Santhaka
Enter the salary:Rs30000
Enter the hours he/she works per day:11

Enter the name of employee:Priyanthi
Enter the salary:Rs33000
Enter the hours he/she works per day:6

Enter the name of employee:Piyal
Enter the salary:Rs45000
Enter the hours he/she works per day:10

Enter the name of employee:Tharuka
Enter the salary:Rs37900
Enter the hours he/she works per day:10

Enter the name of employee:Shanthi
Enter the salary:Rs34900
```

```
C:\Users\sinxdel\Documents\lab_sheet_8.q9.exe
Enter the hours he/she works per day:10

Enter the name of employee:Santhaka
Enter the salary:Rs30000
Enter the hours he/she works per day:11

Enter the name of employee:Priyanthi
Enter the salary:Rs33000
Enter the hours he/she works per day:6

Enter the name of employee:Piya1
Enter the salary:Rs45000
Enter the hours he/she works per day:10

Enter the name of employee:Tharuka
Enter the salary:Rs37900
Enter the hours he/she works per day:10

Enter the name of employee:Shanthi
Enter the salary:Rs34900
Enter the hours he/she works per day:8

Name:Anushan      Total Salary:Rs.20500
Name:Nishadi      Total Salary:Rs.28000
Name:Nethuki      Total Salary:Rs.46500
Name:Pasan        Total Salary:Rs.37500
Name:Nimal        Total Salary:Rs.26000
Name:Santhaka     Total Salary:Rs.31000
Name:Priyanthi    Total Salary:Rs.33000
Name:Piya1        Total Salary:Rs.46000
Name:Tharuka      Total Salary:Rs.38900
Name:Shanthi      Total Salary:Rs.35400
-----
Process exited after 1039 seconds with return value 10
Press any key to continue . . .
```

```
Select C:\Users\sinxdel\Documents\lab_sheet_8.q10.exe
****menu****
1. Add book information
2. Display book information
3. List all books of given author
4. list the title of specified book
5. List the count of books in the library
6. Exit

Choose an option
2

All the books in library with details

Accession number : 1000
Name : P.B.Keer
Title : The_Akhenaten_Adventure
Price : Rs 500.000000
Issue : 1

Accession number : 1005
Name : Rick_Riordan
Title : The_Trials_of_Apollo
Price : Rs 1300.000000
Issue : 0

Accession number : 1010
Name : Dan_Brown
Title : Origin
Price : Rs 1250.000000
Issue : 1

Accession number : 1015
Name : Susith_Ruwan
Title : Rawana_Meheyuma
Price : Rs 375.000000
Issue : 0

Accession number : 1020
Name : Agatha_Christie
Title : Endless_Night
Price : Rs 450.000000
```


Select C:\Users\sinxdel\Documents\lab_sheet_8.q10.exe

Accession number : 1025
Name : Rick_Riordan
Title : The_Serpent's_Shadow
Price : Rs 590.000000
Issue : 1

Accession number : 1030
Name : Suzanne_Colling
Title : Mockingjay
Price : Rs 1200.000000
Issue : 0

Accession number : 1035
Name : Suzanne_Colling
Title : Catching_Fire
Price : Rs 1225.000000
Issue : 1

Accession number : 1040
Name : John_Green
Title : Looking_for_Alaska
Price : Rs 975.000000
Issue : 1

Accession number : 1045
Name : Stephenie_Meyer
Title : The_Host
Price : Rs 1320.000000
Issue : 0

Accession number : 1050
Name : Dan_Brown
Title : Inferno
Price : Rs 1200.000000
Issue : 1

Accession number : 1055
Name : Mary_Shelley
Title : Frankenstein
Price : Rs 330.000000
Issue : 0

Select C:\Users\sinxdel\Documents\lab_sheet_8.q10.exe

1. Add book information
2. Display book information
3. List all books of given author
4. list the title of specified book
5. List the count of books in the library
6. Exit

Choose an option

5

No. of books in library is 12

No of books issued:7

1. Add book information
2. Display book information
3. List all books of given author
4. list the title of specified book
5. List the count of books in the library
6. Exit

Choose an option

1

Enter number of book added

2

Enter information of additional book no. 1

Accession number 1060
Name of author Suzanne_Colling
Title of book Hunger_Games
Price (Rs) 1200
Issue status yes/no: 0

Enter information of additional book no. 2

Accession number 1065
Name of author Enid_Blyton
Title of book The_Circus_of_adventure
Price (Rs) 450
Issue status yes/no: 0

```
C:\Users\sindell\Documents\Lab_sheet_8_q10.exe
Accession number : 1035
Name : Suzanne_Colling
Title : Catching_Fire
Price : Rs 1225.000000
Issue : 1

Accession number : 1040
Name : John_Green
Title : Looking_for_Alaska
Price : Rs 975.000000
Issue : 1

Accession number : 1045
Name : Stephanie_Meyer
Title : The_Host
Price : Rs 1320.000000
Issue : 0

Accession number : 1050
Name : Dan_Brown
Title : Inferno
Price : Rs 1200.000000
Issue : 1

Accession number : 1055
Name : Mary_Shelley
Title : Frankenstein
Price : Rs 330.000000
Issue : 0

Accession number : 1060
Name : Suzanne_Colling
Title : Hunger_Games
Price : Rs 1200.000000
Issue : 0

Accession number : 1065
Name : Enid_Blyton
Title : The_Circus_of_adventure
Price : Rs 450.000000
Issue : 0

C:\Users\sindell\Documents\Lab_sheet_8_q10.exe
Price : Rs 1200.000000
Issue : 0

Accession number : 1065
Name : Enid_Blyton
Title : The_Circus_of_adventure
Price : Rs 450.000000
Issue : 0

1. Add book information
2. Display book information
3. List all books of given author
4. list the title of specified book
5. List the count of books in the library
6. Exit

Choose an option
3

Enter author name
Suzanne_Colling

Accession number : 1030
Name : Suzanne_Colling
Title : Mockingjay
Price : Rs 1200.000000
Issue : 0

Accession number : 1035
Name : Suzanne_Colling
Title : Catching_Fire
Price : Rs 1225.000000
Issue : 1

Accession number : 1060
Name : Suzanne_Colling
Title : Hunger_Games
Price : Rs 1200.000000
Issue : 0

1. Add book information
```

```
C:\Users\simxdel\Documents\lab_sheet_8_q10.exe

1. Add book information
2. Display book information
3. List all books of given author
4. list the title of specified book
5. List the count of books in the library
6. Exit

Choose an option
4

Enter Title of a book The_Trials_of_Apollo

Accession number : 1005
Name : Rick_Riordan
Title : The_Trials_of_Apollo
Price : Rs 1300.000000
Issue : 0

1. Add book information
2. Display book information
3. List all books of given author
4. list the title of specified book
5. List the count of books in the library
6. Exit

Choose an option
6

-----
Process exited after 152.7 seconds with return value 6
Press any key to continue . . .
```

```
C:\Users\simxdel\Documents\lab_sheet_8_q11.exe

ItemCode    Unit    price    Stock    Item
-----
ITEM400     1.0     27.0     200.0     Sunlight soap
ITEM401     1.0     170.0     50.0      Anchor Packet(400g)
ITEM404     1.0     550.0     25.0      Anchor Packet(1kg)
ITEM412     1.0kg    80.0     300.5     Rice
ITEM420     500.0g   65.5     200.8     Dhal
ITEM419     250.0ml  225.5     10.0      Cordial Bottle
ITEM411     1.0L     160.0     20.0      Sun Flower oil

ItemCode    Unit    price    Stock    Item
-----
ITEM400     1.0     27.0     200.0     Sunlight soap
ITEM401     1.0     170.0     50.0      Anchor Packet(400g)
ITEM404     1.0     550.0     25.0      Anchor Packet(1kg)
ITEM412     1.0kg    80.0     300.5     Rice
ITEM420     500.0g   65.5     200.8     Dhal
ITEM419     250.0ml  225.5     10.0      Cordial Bottle
ITEM411     1.0L     160.0     20.0      Sun Flower oil
ITEM402     1.0     12.5     100.0     HP Pencil
ITEM403     1.0     38.0     30.0      Sun Silk Shampoo
ITEM405     250.0g   65.0     150.0     Sugar

***** BILL *****

Item Code    Quantity    Unit Price    Total
-----
ITEM402      2.0         12.5          25.0
ITEM412      2.5         80.0          200.0
ITEM404      2.0        550.0         1100.0
ITEM419     1500.0       225.5         3382.5

-----
GRAND TOTAL: 2678.00
-----

Process exited after 0.7254 seconds with return value 0
```