

# Programming Fundamentals

## Assignment No.2 (Outputs)

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Name:

Muhammad Arham

Reg No.

L1F24BSCS0075

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(Easy Level)

### Output No.1

```
Enter 5 integers= 1 2 3 4 5
Array = { 1 2 3 4 5 }
C:\Users\L1F24BSCS0075\Desktop\Task No.1\Debug\Task No.1.exe
```

---

### Output No.2

```
Enter 10 integers= 10 20 30 45 44 21 12 66 78 100
Sum of array elements = 426
C:\Users\L1F24BSCS0075\Desktop\Task No.2\Debug\Task No.2.exe
To automatically close the console when debugging stops, enable
when debugging stops.
Press any key to close this window . . .
```

---

### Output No.3


```
Enter a string= Welcome to UCP
Number of vowels= 5
C:\Users\L1F24BSCS0075\Desktop\Task No.3\Debug\Task No.3.exe
To automatically close the console when debugging stops, enable
when debugging stops.
Press any key to close this window . . .
```

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### Output No.4

```
Enter text to save in file= This is my File!!!  
Text saved to 'output.txt' successfully!  
C:\Users\L1F24BSCS0075\Desktop\Task No.4\Debug\Task No.4.exe
```

---

 output - Notepad  
File Edit Format View Help  
This is my File!!!

---

#### Output No.5

```
Enter a string= Arham  
Characters in the string=  
A  
r  
h  
a  
m
```

---

(Medium Level)

#### Output No.6

```
The maximum element in the array is= 1123  
C:\Users\l1f24bscs0075\Desktop\Task No.6\Debug\Task No.6.exe  
ited with code 0.
```

---

## Output No.7

```
Microsoft Visual Studio Debug Console
Enter a string= My Name is Arham
Reversed String= mahrA si eMaN yM

C:\Users\Muhammad Arham\OneDrive\Desktop\Task No.7\x64\Debug\Task No.7.exe
To automatically close the console when debugging stops, enable Tools->Options->
le when debugging stops
```

---

## Output No.8

```
Microsoft Visual Studio Debug Console
File created and written successfully.
Total words in file: 10

C:\Users\Muhammad Arham\OneDrive\Desktop\Task No.8\x64\Debug\Task No.8.exe
To automatically close the console when debugging stops, enable Tools->Options->
```

---

```
words - Notepad
File Edit Format View Help
This is a sample file containing some words to count.
```

---

## Output No.9

```
Microsoft Visual Studio Debug Console
Enter a string= madam
The string is a palindrome

C:\Users\Muhammad Arham\OneDrive\
```

---

## Output No.10

```
Microsoft Visual Studio Debug Console

Enter size of the array= 5
Enter 5 elements= 1 2 3 4 5
Copied array= 1 2 3 4 5

C:\Users\Muhammad Arham\OneDrive\
```

---

# Student Management System

## Adding Student Record

```
C:\Users\Muhammad Arham\OneDrive\Desktop\Student Management System\x64\D

Student Management System
1. Add Student Record
2. View All Student Records
3. Search Student by Roll Number
4. Update Student GPA
5. Delete Student Record
0. Exit
Enter your choice: 1
Enter Name= Muhammad Arham
Enter Roll Number= L1F24BSCS0075
Enter Department= Computer Science
Enter GPA= 3.0
Student record added successfully!

Student Management System
1. Add Student Record
2. View All Student Records
3. Search Student by Roll Number
4. Update Student GPA
5. Delete Student Record
0. Exit
Enter your choice: 1
Enter Name= Zarar Ijaz
Enter Roll Number= L1S25BSCS0134
Enter Department= BBA
Enter GPA= 2.56
Student record added successfully!
```

## Viewing All Student Records

```
C:\Users\Muhammad Arham\OneDrive\Desktop\Student Management System\x64\Debug\Student Ma

Student Management System
1. Add Student Record
2. View All Student Records
3. Search Student by Roll Number
4. Update Student GPA
5. Delete Student Record
0. Exit
Enter your choice: 2

Name           Roll No      Department      GPA
Muhammad Arham L1F24BSCS0075 Computer Science 3
Zarar Ijaz     L1S25BSCS0134 BBA           2.56
Fareed Khalid  L1F24BSCS0077 Computer Science 3.1
Momina Qasim   L1F24BSCS0168 Computer Science 2.78
Zainab Faisal  L1F22BSPHMD0127 PharmD        3.98
```

```
students - Notepad
File Edit Format View Help
Muhammad Arham,L1F24BSCS0075,Computer Science,3
Zarar Ijaz,L1S25BSCS0134,BBA,2.56
Fareed Khalid,L1F24BSCS0077,Computer Science,3.1
Momina Qasim,L1F24BSCS0168,Computer Science,2.78
Zainab Faisal,L1F22BSPHMD0127,PharmD,3.98
```

### Search by Roll Number

```
C:\Users\Muhammad Arham\OneDrive\Desktop\Student Ma

Student Management System
1. Add Student Record
2. View All Student Records
3. Search Student by Roll Number
4. Update Student GPA
5. Delete Student Record
0. Exit
Enter your choice: 3
Enter Roll Number to search= L1F24BSCS0075

Student Found
Name= Muhammad Arham
Roll No= L1F24BSCS0075
Department= Computer Science
GPA= 3
```

### Update Student GPA

```
Student Management System
1. Add Student Record
2. View All Student Records
3. Search Student by Roll Number
4. Update Student GPA
5. Delete Student Record
0. Exit
Enter your choice: 4
Enter Roll Number to update GPA= L1F24BSCS0075
Enter new GPA= 3.99
GPA updated successfully
```

students - Notepad

File Edit Format View Help

Muhammad Arham,L1F24BSCS0075,Computer Science,3.99  
Fareed Khalid,L1F24BSCS0077,Computer Science,3.1  
Momina Qasim,L1F24BSCS0168,Computer Science,2.78  
Zainab Faisal,L1F22BSPHMD0127,PharmD,3.98

## Delete Student Record

```
Student Management System
1. Add Student Record
2. View All Student Records
3. Search Student by Roll Number
4. Update Student GPA
5. Delete Student Record
0. Exit
Enter your choice: 5
Enter Roll Number to delete: L1S25BSCS0134
Student deleted successfully

Student Management System
1. Add Student Record
2. View All Student Records
3. Search Student by Roll Number
4. Update Student GPA
5. Delete Student Record
0. Exit
Enter your choice: 0
Exiting
```

students - Notepad

File Edit Format View Help

Muhammad Arham,L1F24BSCS0075,Computer Science,3.99  
Fareed Khalid,L1F24BSCS0077,Computer Science,3.1  
Momina Qasim,L1F24BSCS0168,Computer Science,2.78  
Zainab Faisal,L1F22BSPHMD0127,PharmD,3.98

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# Pakistan Super League (HBL-PSL) Management System

## Add Player Record

```
C:\Users\Muhammad Arham\OneDrive\Desktop\PSL-Management System>
PSL Management System
1. Add Player Record
2. View All Players
3. Search Player by Name or Team
4. Update Player Stats
5. Delete Player Record
0. Exit
Enter your choice= 1
Enter Player Name= Babar Azam
Enter Team Name= Peshawar Zalmi
Enter Role (batsman/bowler/all-rounder)= Batsman
Enter Total Runs= 3487
Enter Total Wickets= 0
Player added successfully
```

## View All Players

```
C:\Users\Muhammad Arham\OneDrive\Desktop\PSL-Management System\x64\Debug\PSL-Management System.exe
PSL Management System
1. Add Player Record
2. View All Players
3. Search Player by Name or Team
4. Update Player Stats
5. Delete Player Record
0. Exit
Enter your choice= 2

Name          Team          Role    Runs    Wickets
Babar Azam    Peshawar Zalmi  Batsman 3487    0
Shaheen Shah Afridi  Lahore Qalandars  Bowler  375     87
Muhammad Rizwan  Multan Sultans  Batsman 2798    0
Muhammad Amir  Quetta Galadiators  Bowler  456     135
David Warner    Karachi Kings  Batsman  87      0
Shadab Khan    Islamabad United  All-Rounder 1234    89
```

```
players - Notepad
File Edit Format View Help
Babar Azam,Peshawar Zalmi,Batsman,3487,0
Shaheen Shah Afridi,Lahore Qalandars,Bowler,375,87
Muhammad Rizwan,Multan Sultans,Batsman,2798,0
Muhammad Amir,Quetta Galadiators,Bowler,456,135
David Warner,Karachi Kings,Batsman,87,0
Shadab Khan,Islamabad United,All-Rounder,1234,89
```

## Search Player by Name or Team

```

PSL Management System
1. Add Player Record
2. View All Players
3. Search Player by Name or Team
4. Update Player Stats
5. Delete Player Record
0. Exit
Enter your choice= 3
Search by
1. Name
2. Team
Enter choice=2
Enter search keyword= Peshawar Zalmi

Name: Babar Azam
Team: Peshawar Zalmi
Role: Batsman
Runs: 3487
Wickets: 0

```

## Update Player Stats

```

PSL Management System
1. Add Player Record
2. View All Players
3. Search Player by Name or Team
4. Update Player Stats
5. Delete Player Record
0. Exit
Enter your choice= 4
Enter Player Name to update stats= Shadab Khan
Update
1. Runs
2. Wickets
Enter choice=2
Enter new value= 97
Stats updated successfully

```

players - Notepad

File Edit Format View Help

```

Babar Azam,Peshawar Zalmi,Batsman,3487,0
Shaheen Shah Afridi,Lahore Qalandars,Bowler,375,87
Muhammad Rizwan,Multan Sultans,Batsman,2798,0
Muhammad Amir,Quetta Galadiators,Bowler,456,135
Shadab Khan,Islamabad United,All-Rounder,1234,98

```

## Delete Player Record

```

PSL Management System
1. Add Player Record
2. View All Players
3. Search Player by Name or Team
4. Update Player Stats
5. Delete Player Record
0. Exit
Enter your choice= 5
Enter Player Name to delete= David Warner
Player deleted successfully

```

players - Notepad

File Edit Format View Help

```

Babar Azam,Peshawar Zalmi,Batsman,3487,0
Shaheen Shah Afridi,Lahore Qalandars,Bowler,375,87
Muhammad Rizwan,Multan Sultans,Batsman,2798,0
Muhammad Amir,Quetta Galadiators,Bowler,456,135
Shadab Khan,Islamabad United,All-Rounder,1234,98

```