National University of Computer and Emerging Sciences

Lab # 6

For

Programming Fundamentals Lab

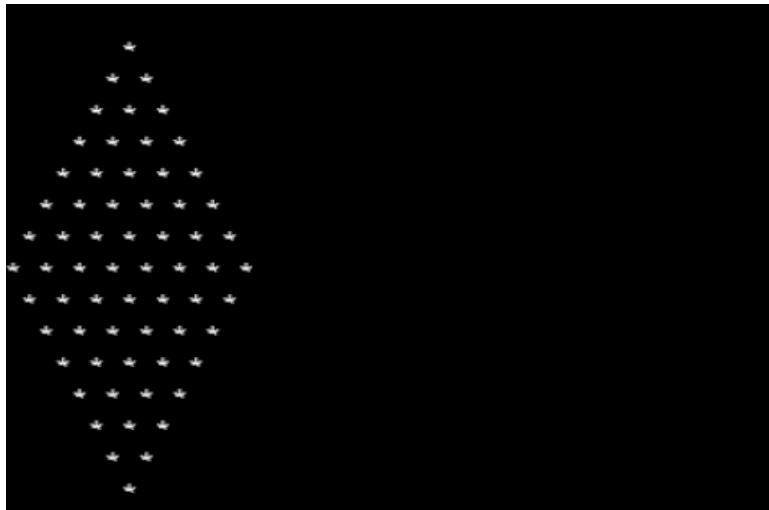| Lab Instructor(s)	Mr. Mughees Ismail
Semester	Fall 2022

FAST School of Computing

Instructions:

1. Make a word document with the convention "SECTION_ Assignment#_ROLLNO" and put all your source code and snapshots of its output in it.
2. Plagiarism is strictly prohibited, do not copy anything from internet, or any of your friend else your assignment will be marked 0.
3. Do not discuss solutions with one another.
4. Write the code with proper dialogues to improve the user interaction with your program.

Task 01:

Write a C++ program that takes either a number 3 or 4 from user and displays the other one. If the user inputs 3, the program should display 4 and if the user inputs 4, the program should display 3. **DO NOT USE IF-ELSE STATEMENT.**

Task 02:

Write a C++ program that prints the following pattern using **setw()** and **setfill()** functions.

Task 03:

Write a program to display the following output using a single cout statement.

Subject Marks
Mathematics 90
Computer 77
Chemistry 69

Task 04:

Write a program that gets a length in feet's from user, then determine and output the equivalent length in inches using formula i=f*12. After that display inches value on console.

Task 05:

Write a program to calculate the Interest of a Bank Deposit (formula Interest=Amount*Years*Rate/100)

Task 06:

Write a C++ program that takes a number input from user and prints it with spaces of that number. Use **setw()** function for spaces.

Task 07:

Write a C++ program that prints your name but with 10 '*****' in start. Use **setfill()** function to print the *.

Task 08:

Write a C++ program that prints the records of 2 employees using **setw().** Employee data is name and contact no.

Name   Contacts
Hamza   03316655188
Hammad   03027500394

Task 09:

Write a C++ program that displays only the last digit of your CNIC number while printing '**X**' in the start using **setfill().**

e.g. XXXXXXXXXXXX9

Best of lucks