

AIM 1

```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS
PS D:\BCA 1B\MAYANK DEWANGAN > cd "d:\BCA 1B\MAYANK DEWANGAN c\c language labrecord 1&2\" ; if ($?) { gcc AIM-1.c -o AIM-1 } ; if ($?) { .\AIM-1 }
My name is MAYANK DEWANGAN
I am 18 years old
Welcome to C Programming!
PS D:\BCA 1B\MAYANK DEWANGAN c\c language labrecord 1&2>
Ln 10, Col 2  Spaces: 4  UTF-8  CR/LF

```

The screenshot shows a terminal window in Visual Studio Code. The terminal tab is selected, displaying the output of a C program. The program's output includes the user's name, age, and a welcome message. The terminal also shows the command used to compile the code and the path to the directory. The status bar at the bottom indicates the current line (Ln 10), column (Col 2), spaces (Spaces: 4), encoding (UTF-8), and line endings (CR/LF). The taskbar at the bottom of the screen shows various application icons.

AIM 2-1

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

```
PS D:\BCA 1B\MAYANK DEWANGAN > cd "d:\BCA 1B\MAYANK DEWANGAN c\c language labrecord 1&2\" ; if ($?) { gcc AIM-2-1.c -o AIM-2-1 } ; if ($?) { .\AIM-2-1 }
Enter two numbers: 123 123
Sum = 246
PS D:\BCA 1B\MAYANK DEWANGAN c\c language labrecord 1&2>
```

Ln 14, Col 2 Spaces: 4 UTF-8 CRL

The screenshot shows a terminal window in a dark-themed code editor. The terminal tab is active. The command `cd` changes the directory to `d:\BCA 1B\MAYANK DEWANGAN c\c language labrecord 1&2\`. Then, it runs the compiler `gcc` on the file `AIM-2-1.c` to produce the executable `AIM-2-1`. Finally, it runs the executable. The user enters the numbers `123` and `123` when prompted. The output shows the sum `246`.

AIM 2-2

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

```
PS D:\BCA 1B\MAYANK DEWANGAN > cd "d:\BCA 1B\MAYANK DEWANGAN c\c language labrecord 1&2\" ; if ($?) { gcc AIM-2-2.C -o AIM-2-2 } ; if ($?) { .\AIM-2-2 }
Enter two numbers: 123 321
321 is the largest
PS D:\BCA 1B\MAYANK DEWANGAN c\c language labrecord 1&2>
```

Ln 14, Col 14 Spaces: 4 UTF-8 CRL

The screenshot shows a terminal window in a dark-themed code editor. The terminal tab is active. The command `cd` changes the directory to `d:\BCA 1B\MAYANK DEWANGAN c\c language labrecord 1&2\`. Then, it runs the compiler `gcc` on the file `AIM-2-2.C` to produce the executable `AIM-2-2`. Finally, it runs the executable. The user enters the numbers `123` and `321` when prompted. The output shows that `321` is the largest number.

AIM 3

The screenshot shows a terminal window with the following content:

```
PS D:\BCA 1B\MAYANK DEWANGAN > cd "d:\BCA 1B\MAYANK DEWANGAN\c\c language labrecord 1&2\" ; if ($?) { gcc AIM-3.c -o AIM-3 } ; if ($?) { .\AIM-3 }
Enter an integer, float, character, and double value:
9
7
8
2

You entered:
Integer: 9
Float: 7.00
Character: 8
Double: 2.000

Enter two numbers to swap: 5    7
After swapping: x = 7, y = 5
PS D:\BCA 1B\MAYANK DEWANGAN\c\c language labrecord 1&2>
```

The terminal window has tabs for PROBLEMS, OUTPUT, DEBUG CONSOLE, TERMINAL (which is selected), and PORTS. The status bar at the bottom right shows "Ln 18, Col 1" and "Spaces: 4". The taskbar below the terminal window displays various application icons.

AIM 4-1

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

PS D:\BCA 1B\MAYANK DEWANGAN c> cd "d:\BCA 1B\MAYANK DEWANGAN c\c language labrecord 1&2\" ; if (\$?) { gcc AIM-4-1.c -o AIM-4-1 } ; if (\$?) { .\AIM-4-1 }

Enter three numbers: 21 5 24
24 is the maximum

PS D:\BCA 1B\MAYANK DEWANGAN c\c language labrecord 1&2> |

AIM 4-2

```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS Code + ×
```

```
PS D:\BCA 1B\MAYANK DEWANGAN c> cd "d:\BCA 1B\MAYANK DEWANGAN c\c language labrecord 1&2\" ; if ($?) { gcc AIM-4-2.c -o AIM-4-2 } ; if (?) { .\AIM-4-2 }
Enter two numbers: 32 23
32 is largest
PS D:\BCA 1B\MAYANK DEWANGAN c\c language labrecord 1&2> 
```

The screenshot shows a terminal window in Visual Studio Code. The terminal output displays the execution of a C program named 'AIM-4-2'. The user enters two numbers, 32 and 23, and the program correctly identifies 32 as the largest. The terminal interface includes standard VS Code navigation and status bars at the top and bottom.

AIM 4-3

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

PS D:\BCA 1B\MAYANK DEWANGAN > cd "d:\BCA 1B\MAYANK DEWANGAN c\c language labrecord 1&2\" ; if (\$?) { gcc AIM-4-3.c -o AIM-4-3 } ; if (\$?) { .\AIM-4-3 }

Enter two numbers: 1754245 57454245

1. Addition
2. Subtraction
3. Multiplication
4. Division

Enter your choice: 3

Product = -1175515207

PS D:\BCA 1B\MAYANK DEWANGAN c\c language labrecord 1&2>

Ln 21, Col 1 Spaces: 4 UTF-8 CRL

The screenshot shows a terminal window with the following content:
1. The user navigates to the directory 'c\c language labrecord 1&2' and compiles the file 'AIM-4-3.c' into an executable 'AIM-4-3'.
2. The user runs the executable and is prompted to enter two numbers: 1754245 and 57454245.
3. The user selects option 3 (Multiplication).
4. The program outputs the product: -1175515207.

AIM 4-4

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

PS D:\BCA 1B\MAYANK DEWANGAN > cd "d:\BCA 1B\MAYANK DEWANGAN c\c language labrecord 1&2\" ; if (\$?) { gcc AIM-4-4.c -o AIM-4-4 } ; if (\$?) { .\AIM-4-4 }

Enter a number: 8885551

Number is Odd

PS D:\BCA 1B\MAYANK DEWANGAN c\c language labrecord 1&2>

Ln 16, Col 14 Spaces: 4 UTF-8 CRL

The screenshot shows a terminal window with the following content:
1. The user navigates to the directory 'c\c language labrecord 1&2' and compiles the file 'AIM-4-4.c' into an executable 'AIM-4-4'.
2. The user runs the executable and is prompted to enter a number: 8885551.
3. The program outputs the message: 'Number is Odd'.