



Bahria University

## **LAB # 3**

### **Menu Based Program**

Name: Asim Ali | 01-131232-015

Class: BSE-3A

**DSA**

SIR. ALEEM AHMAD

October 3, 2024

## LAB # 3

# Menu Based Program

### Code:

[GitHub LINK](#)

### Menu:

```
----- MENU -----
1.Infix to Postfix
2.Postfix Validation
3.Infix to Prefix
4.Power Implementation
5.Multiplication
0.EXIT
```

### Output Screenshots:

#### 1. 1.Infix To Postfix

```
---- Infix to Postfix ----
Enter the expression: ((A+B)*(C*D))
Postfix Expression: AB+CD**
If you want to Evaluate this Postfix then Enter "Y":y
Enter the Value of A: 5
Enter the Value of B: 6
Enter the Value of C: 7
Enter the Value of D: 8
Result of Postfix Evaluation: 616
Want to go Back to Menu(Y/N):
```

## 2. Postfix Evaluation

```
----- Postfix Evaluation -----  
Enter the expression: AB+CD**  
Enter the Value of A: 5  
Enter the Value of B: 6  
Enter the Value of C: 7  
Enter the Value of D: 8  
Result of Postfix Evaluation: 616  
Want to go Back to Menu(Y/N):
```

## 3. Infix to prefix

```
----- Infix to Prefix -----  
Enter the expression: ((A+B)*(C*D))  
  
Prefix Exp: *+AB*CD  
Want to go Back to Menu(Y/N):
```

## 4. Power Implementation

```
----- Power Implementation -----  
Enter the Number/Base: 5  
Enter Exponent: 5  
Answer: 3125  
Want to go Back to Menu(Y/N):_
```

## 5. Multiplication

```
Enter the Number: 5  
Enter the times: 3  
Answer: 15  
Want to go Back to Menu(Y/N):_
```