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clang PracticalW1a.c -o output && ./output
~/Documents/Study/sem 3/3rdSemester/DSA/Submissions main clang PracticalW1a.c -o output && ./output

Enter your choice
1. Enter Polynomials
2. Display Polynomials
3. Add Polynomials
4. Multiply Polynomials
5. Modify Polynomials
6. Take polynomials from file
7. Exit

1

Please Enter terms in descending order of exponent
Enter the number of terms in polynomial 1: 2
Enter the coefficient: 4
Enter the power: 5
Enter the coefficient: 3
Enter the power: 2

Please Enter terms in descending order of exponent
Enter the number of terms in polynomial 2: 2
Enter the coefficient: 6
Enter the power: 7
Enter the coefficient: 6
Enter the power: 2

Enter your choice
1. Enter Polynomials
2. Display Polynomials
3. Add Polynomials
4. Multiply Polynomials
5. Modify Polynomials
6. Take polynomials from file
7. Exit
█
```

Create Polynomials

```
clang PracticalW1a.c -o output && ./output
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1. Enter Polynomials
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7. Exit

2

Polynomial 1: 4x^5 + 3x^2

Polynomial 2: 6x^7 + 6x^2

Enter your choice
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7. Exit
3

Addition Result is: 6x^7 + 4x^5 + 9x^2

Enter your choice
1. Enter Polynomials
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7. Exit
```

Display & Addition

```
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Enter your choice
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7. Exit
4

Multiplication Result is: 24x^12 + 24x^7 + 18x^9 + 18x^4

Enter your choice
1. Enter Polynomials
2. Display Polynomials
3. Add Polynomials
4. Multiply Polynomials
5. Modify Polynomials
6. Take polynomials from file
7. Exit
5
Enter the polynomial to modify 1 or 2
1

The polynomial is: 4x^5 + 3x^2

Do You want to
1.insert
2.delete a term
3.Modify a term?
1

Enter in descending order of power ONLY
Do You want to
1.insert at beginning
2.insert at end
3.insert at position?
```

Multiplication & Modification

```
clang PracticalW1a.c -o output && ./output

1.insert
2.delete a term
3.Modify a term?
1

Enter in descending order of power ONLY
Do You want to
1.insert at beginning
2.insert at end
3.insert at position?
3
Enter the coefficient: 5
Enter the power: 3
Enter the position: 2

Enter your choice
1. Enter Polynomials
2. Display Polynomials
3. Add Polynomials
4. Multiply Polynomials
5. Modify Polynomials
6. Take polynomials from file
7. Exit
2

Polynomial 1: 4x^5 + 5x^3 + 3x^2

Polynomial 2: 6x^7 + 6x^2

Enter your choice
1. Enter Polynomials
2. Display Polynomials
3. Add Polynomials
4. Multiply Polynomials
5. Modify Polynomials
6. Take polynomials from file
7. Exit
```

Insert at Position & Display

```
sparsh@MacbookAir:~/Documents/Study/sem 3/3rdSemester/DSA/Submissions
5
Enter the polynomial to modify 1 or 2
1

The polynomial is:  $4x^5 + 5x^3 + 3x^2$ 

Do You want to
1.insert
2.delete a term
3.Modify a term?
2
Enter the position: 2

Enter your choice
1. Enter Polynomials
2. Display Polynomials
3. Add Polynomials
4. Multiply Polynomials
5. Modify Polynomials
6. Take polynomials from file
7. Exit
2

Polynomial 1:  $4x^5 + 3x^2$ 

Polynomial 2:  $6x^7 + 6x^2$ 

Enter your choice
1. Enter Polynomials
2. Display Polynomials
3. Add Polynomials
4. Multiply Polynomials
5. Modify Polynomials
6. Take polynomials from file
7. Exit
7

~/Documents/Study/sem 3/3rdSemester/DSA/Submissions main
```

Delete At Position, Display & Exit