

```
Welcome to the pattern generator and number Analyzer!
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```
Select an option:
```

- 1.Generate a pattern
- 2.Analyze a range of number

```
3.Exit
```

```
Enter your choice:1
```

```
Enter a number of rows for the pattern:5
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* *
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* * *
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* * * *
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* * * * *
```

```
Select an option:
```

- 1.Generate a pattern
- 2.Analyze a range of number

```
3.Exit
```

```
Enter your choice:2
```

```
Enter the start of range -11
```

```
Enter the end of range -16
```

```
Number 11 is Odd
```

```
Number 12 is even
```

```
Number 13 is Odd
```

```
Number 14 is even
```

```
Number 15 is Odd
```

```
Number 16 is even
```

```
Sum of all numbers from 11 and 16 is 81
```

```
Select an option:
```

- 1.Generate a pattern
- 2.Analyze a range of number

```
3.Exit
```

```
Enter your choice:3
```

```
Exiting the program.....goodbye!!
```

```
PS C:\Users\Ritu\Desktop\DATA_ANAYLIST\python> █
```