

MUHAMMAD S/O FURQAN

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PROJECT NAME:

CONVERTING DECIMAL NUMBERS TO OCTAL NUMBERS.

DESCRIPTION:

This program will convert decimal numbers into octal numbers.

If you enter any decimal number it will give output in octal numbers.

Input Program:

```
1  #Name:Muhammad S/O Furqan
2  # Email:muhammadfurqanahmedmamji@gmail.com
3  # Creating a Python Program to convert decimal number into octal numbers
4
5  def decimal_to_octal(decimal_num):
6      octal_num = ""
7      while decimal_num > 0:
8          remainder = decimal_num % 8
9          octal_num = str(remainder) + octal_num
10         decimal_num //= 8
11     return octal_num
12
13 # Taking Input
14 decimal_input = int(input("Enter a decimal number: "))
15
16 # Converting decimal numbers into octal numbers
17 octal_output = decimal_to_octal(decimal_input)
18
19 # Output of converted decimal numbers to output numbers
20 print("Octal representation:", octal_output)
```

Output program:

```
PS C:\> & C:/Python311/python.exe //192.168.12.248/profiles/gdu36/Desktop/my/project2.py
Enter a decimal number: 150
Octal representation: 226
PS C:\> 150
150
PS C:\> & C:/Python311/python.exe //192.168.12.248/profiles/gdu36/Desktop/my/project2.py
Enter a decimal number: 100
Octal representation: 144
PS C:\>
```

REPOSITORY SCREENSHOT:

```
...    ...    @@ -0,0 +1,20 @@
1  + #Name:Muhammad S/O Furqan
2  + # Email:muhammadfurqanahmedmamji@gmail.com
3  + # Creating a Python Program to convert decimal number into octal numbers
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16 + # Converting decimal numbers into octal numbers
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18 +
19 + # Output of converted decimal numbers to output numbers
20 + print("Octal representation:", octal_output)
```

GITHUB LINK:

<https://github.com/binfurqann/Python-project2/upload>