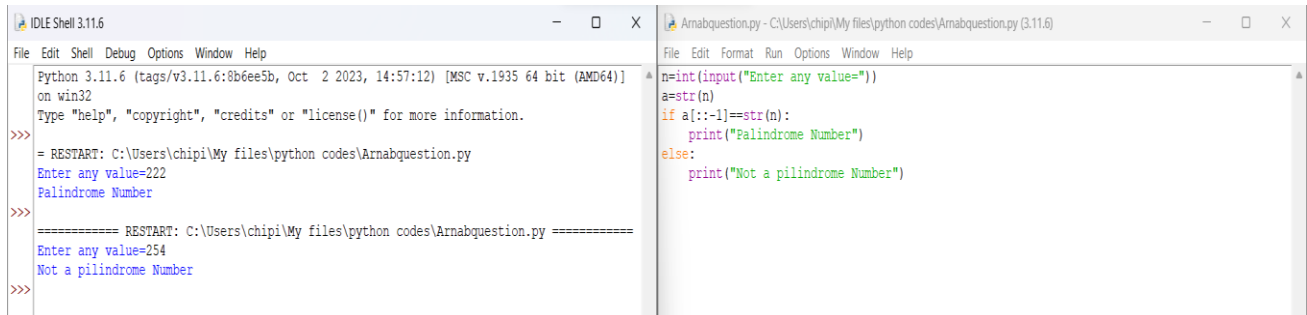


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1. Write a Python program to check whether a number is palindrome or not.

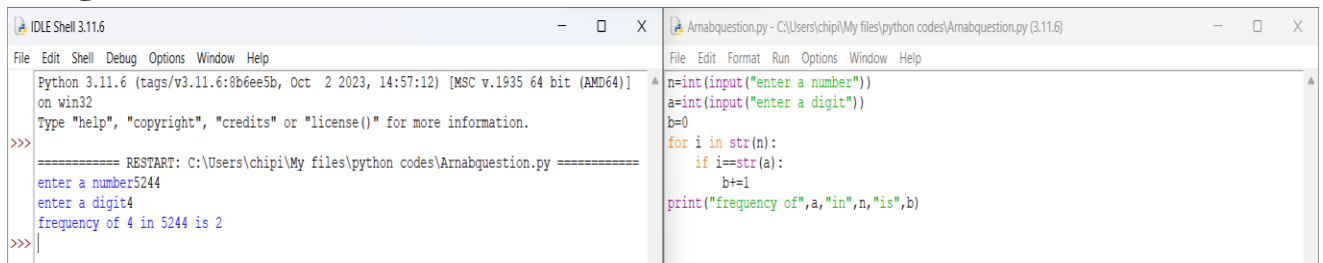


The screenshot shows two windows in Python IDLE 3.11.6. The left window is the IDLE Shell, and the right window is the editor for 'Arbabquestion.py'. The code in the editor takes an input number, converts it to a string, and checks if it is equal to its reverse. The shell shows the execution results for two test cases: 222 (palindrome) and 254 (not a palindrome).

```
Python 3.11.6 (tags/v3.11.6:8b6ee5b, Oct 2 2023, 14:57:12) [MSC v.1935 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
= RESTART: C:\Users\chipi\My files\python codes\Arbabquestion.py
Enter any value=222
Palindrome Number
>>>
===== RESTART: C:\Users\chipi\My files\python codes\Arbabquestion.py =====
Enter any value=254
Not a pilindrome Number
>>>
```

```
Arbabquestion.py - C:\Users\chipi\My files\python codes\Arbabquestion.py (3.11.6)
File Edit Format Run Options Window Help
n=int(input("Enter any value="))
a=str(n)
if a[::-1]==str(n):
    print("Palindrome Number")
else:
    print("Not a pilindrome Number")
```

2. Write a Python program to find frequency of each digit in a given integer.

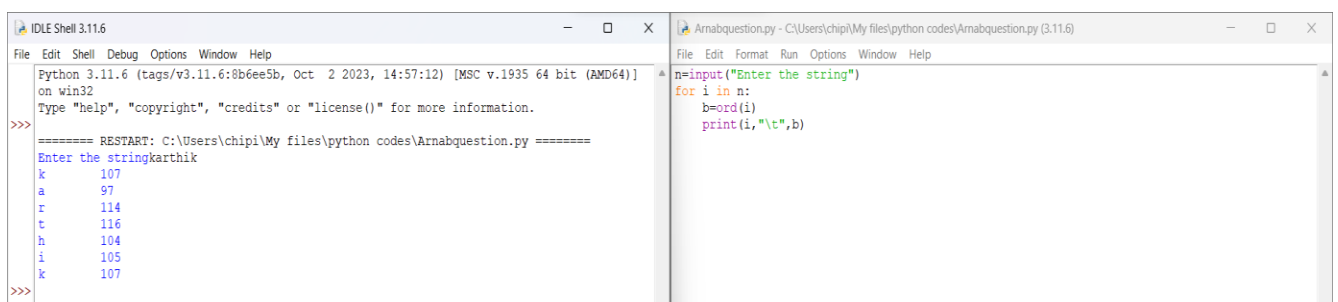


The screenshot shows two windows in Python IDLE 3.11.6. The left window is the IDLE Shell, and the right window is the editor for 'Arbabquestion.py'. The code in the editor takes an input number, converts it to a string, and iterates through each character to count its frequency. The shell shows the execution results for the input 5244, showing the frequency of digit 4 is 2.

```
Python 3.11.6 (tags/v3.11.6:8b6ee5b, Oct 2 2023, 14:57:12) [MSC v.1935 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
===== RESTART: C:\Users\chipi\My files\python codes\Arbabquestion.py =====
enter a number=5244
enter a digit=4
frequency of 4 in 5244 is 2
>>>
```

```
Arbabquestion.py - C:\Users\chipi\My files\python codes\Arbabquestion.py (3.11.6)
File Edit Format Run Options Window Help
n=int(input("enter a number"))
a=str(n)
b=0
for i in str(n):
    if i==str(a):
        b+=1
print("frequency of",a,"in",n,"is",b)
```

3. Write a Python program to print all ASCII character with their values.

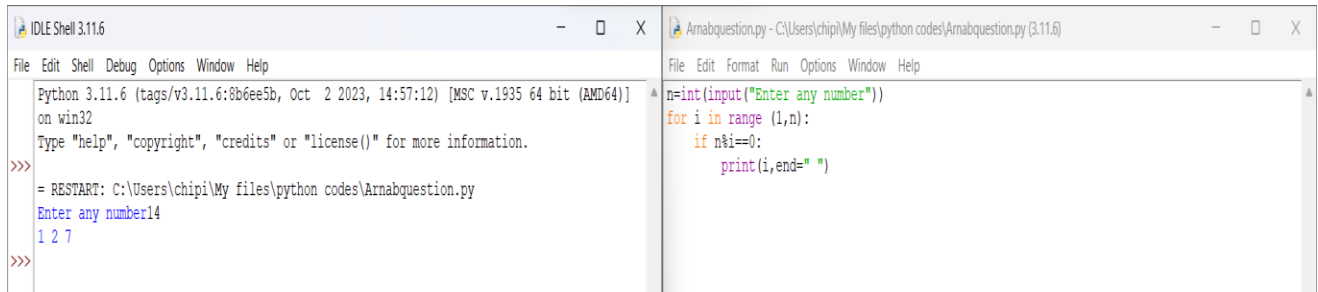


The screenshot shows two windows in Python IDLE 3.11.6. The left window is the IDLE Shell, and the right window is the editor for 'Arbabquestion.py'. The code in the editor takes an input string and iterates through each character to print its ASCII value. The shell shows the execution results for the input string 'karthik'.

```
Python 3.11.6 (tags/v3.11.6:8b6ee5b, Oct 2 2023, 14:57:12) [MSC v.1935 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
===== RESTART: C:\Users\chipi\My files\python codes\Arbabquestion.py =====
Enter the stringkarthik
k      107
a      97
r     114
t     116
h     104
i     105
k     107
>>>
```

```
Arbabquestion.py - C:\Users\chipi\My files\python codes\Arbabquestion.py (3.11.6)
File Edit Format Run Options Window Help
n=input("Enter the string")
for i in n:
    b=ord(i)
    print(i,"\\t",b)
```

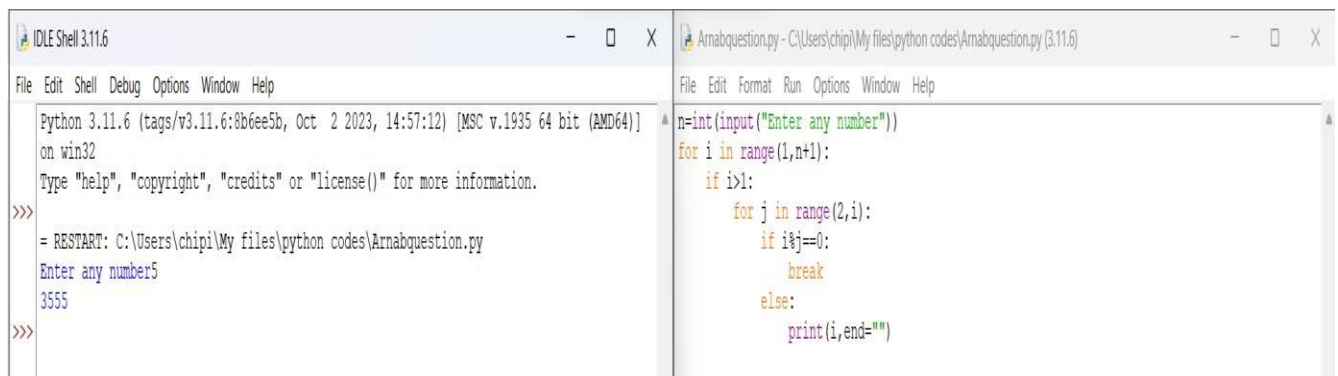
4. Write a Python program to find all factors of a number.



The screenshot shows two windows in the Python IDLE environment. The left window is the 'IDLE Shell 3.11.6' with a menu bar (File, Edit, Shell, Debug, Options, Window, Help). It displays the Python 3.11.6 startup message and a prompt. The user has entered '14' and the program has printed '1 2 7'. The right window is the 'Arbabquestion.py' editor, showing the following code:

```
n=int(input("Enter any number"))
for i in range(1,n):
    if n%i==0:
        print(i,end=" ")
```

5. Write a Python program to print all Prime numbers between 1 to n.



The screenshot shows the same Python IDLE environment. The left window shows the user entering '5' and the program outputting '3555'. The right window shows the following code:

```
n=int(input("Enter any number"))
for i in range(1,n+1):
    if i>1:
        for j in range(2,i):
            if i%j==0:
                break
        else:
            print(i,end=" ")
```