

Aim: Write the program for the following: (by using control statements and control structure)

(D). Write a function that reverses the user defined value

Theory: -

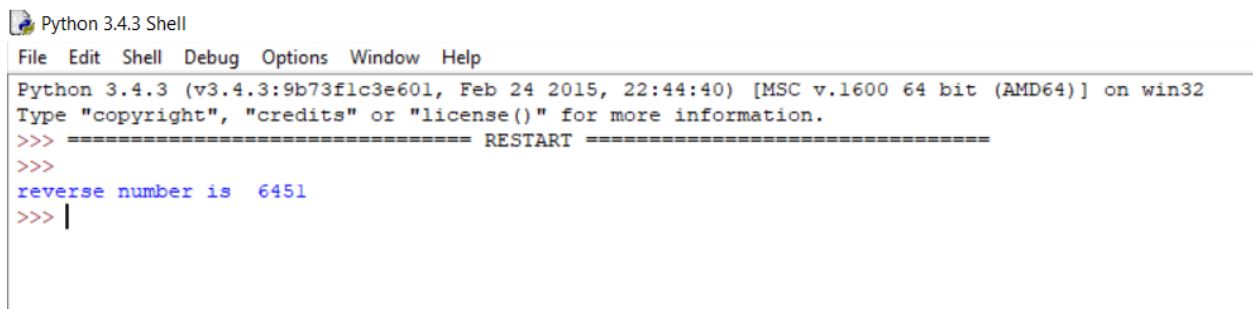
Practical Implementation:-

```
# python program to reverse a number using while loop by using function

def reverse_number (number):
    reverse = 0
    while (number > 0):
        reminder = number %10
        reverse = (reverse *10) + reminder
        number = number //10
    print("reverse number is ", reverse)

reverse_number(1546)
```

output: -

A screenshot of a Python 3.4.3 Shell window. The window has a title bar that says "Python 3.4.3 Shell" and a menu bar with "File", "Edit", "Shell", "Debug", "Options", "Window", and "Help". The main area shows the Python prompt ">>>" followed by the execution of the function. The output is "reverse number is 6451". The prompt is followed by a vertical bar "|".

```
Python 3.4.3 (v3.4.3:9b73f1c3e601, Feb 24 2015, 22:44:40) [MSC v.1600 64 bit (AMD64)] on win32
Type "copyright", "credits" or "license()" for more information.
>>> ===== RESTART =====
>>>
reverse number is 6451
>>> |
```

Conclusion: