

## Practical 1

- Aim:**
- Write a program to check whether a passed letter is a vowel or not.
  - Write a program to find Greatest Common Divisor of two numbers.

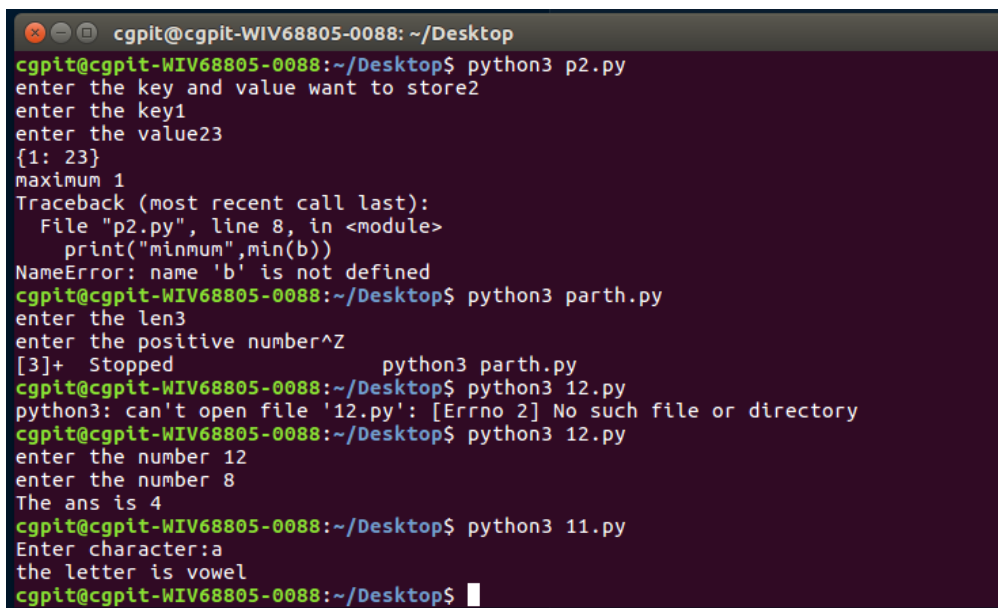
### Code:

**a.**

#letter is vowel or not

```
a=input("Enter character:")
#print("a")
if(a=="a" or a=="e" or a=="i" or a=="o" or a=="u"):
    print("the letter is vowel")
else:
    print("the letter is not vowel")
```

### Output:



```
cgpit@cgpit-WIV68805-0088: ~/Desktop
cgpit@cgpit-WIV68805-0088:~/Desktop$ python3 p2.py
enter the key and value want to store2
enter the key1
enter the value23
{1: 23}
maximum 1
Traceback (most recent call last):
  File "p2.py", line 8, in <module>
    print("minnum",min(b))
NameError: name 'b' is not defined
cgpit@cgpit-WIV68805-0088:~/Desktop$ python3 parth.py
enter the len3
enter the positive number^Z
[3]+  Stopped                  python3 parth.py
cgpit@cgpit-WIV68805-0088:~/Desktop$ python3 12.py
python3: can't open file '12.py': [Errno 2] No such file or directory
cgpit@cgpit-WIV68805-0088:~/Desktop$ python3 12.py
enter the number 12
enter the number 8
The ans is 4
cgpit@cgpit-WIV68805-0088:~/Desktop$ python3 11.py
Enter character:a
the letter is vowel
cgpit@cgpit-WIV68805-0088:~/Desktop$
```

**b.**

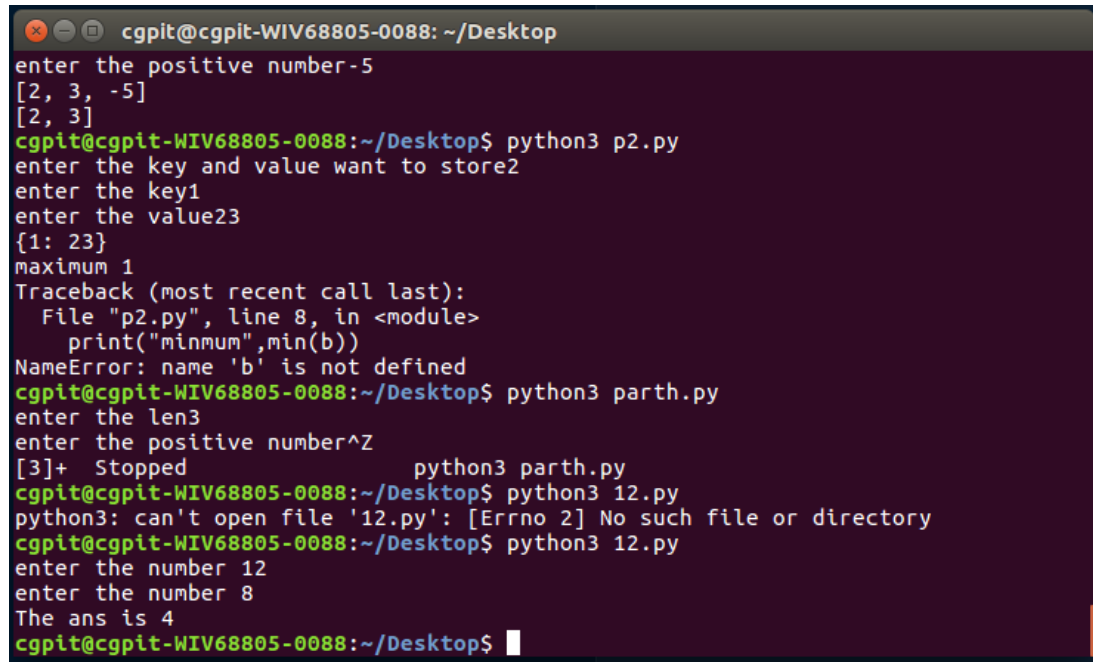
#write a program to find gcd two given number

```
a=int(input("enter the number "))
b=int(input("enter the number "))
x=max(a,b)+1
def gcd1(a,b):
    for i in range(1,x):
        if(a%i==0 and b%i==0):
            gcd=i
    return gcd
```

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```
ans=gcd1(a,b)
print("The ans is",ans)
```

## Output:

A terminal window with a dark purple background and light green text. The prompt is 'cgpit@cgpit-WIV68805-0088: ~/Desktop'. The user enters 'enter the positive number-5', followed by '[2, 3, -5]' and '[2, 3]'. Then they run 'python3 p2.py'. The program prompts for 'enter the key and value want to store2', then 'enter the key1' (input: '23'), and 'enter the value23' (input: '23'). It prints '{1: 23}' and 'maximum 1'. A traceback error occurs: 'NameError: name 'b' is not defined' in 'p2.py' at line 8. The user then runs 'python3 parth.py', enters 'enter the len3' and 'enter the positive number^Z', and the program prints '[3]+ Stopped'. Next, they run 'python3 12.py', which fails with 'python3: can't open file '12.py': [Errno 2] No such file or directory'. Finally, they run 'python3 12.py' again, enter 'enter the number 12' and 'enter the number 8', and the program prints 'The ans is 4'. The prompt is now 'cgpit@cgpit-WIV68805-0088: ~/Desktop\$' with a cursor.

```
cgpit@cgpit-WIV68805-0088: ~/Desktop
enter the positive number-5
[2, 3, -5]
[2, 3]
cgpit@cgpit-WIV68805-0088:~/Desktop$ python3 p2.py
enter the key and value want to store2
enter the key1
enter the value23
{1: 23}
maximum 1
Traceback (most recent call last):
  File "p2.py", line 8, in <module>
    print("minmum",min(b))
NameError: name 'b' is not defined
cgpit@cgpit-WIV68805-0088:~/Desktop$ python3 parth.py
enter the len3
enter the positive number^Z
[3]+ Stopped
cgpit@cgpit-WIV68805-0088:~/Desktop$ python3 12.py
python3: can't open file '12.py': [Errno 2] No such file or directory
cgpit@cgpit-WIV68805-0088:~/Desktop$ python3 12.py
enter the number 12
enter the number 8
The ans is 4
cgpit@cgpit-WIV68805-0088:~/Desktop$
```