

Python Assignment 010

- Write a python program that will prompt the user to enter an integer between 10 and 50 (including 10 and 50).
- Implement the following:
 - If the user enter any value other than an integer, print the following message and exit the program with a code value of 10.

```
Not an integer value.  
Program exiting!!!.
```

- If the user enter an integer, which is not between 10 and 50, then print the following message and exit the program with a code value of 20.

```
Ineger value not between the specified range.  
Program exiting!!!.
```

- If the value entered by the user is between the specified range (10 and 50), print the value as follows (Example):

```
The value entered is 25.
```

Expected Output:

```
root@ctf:~/py# ./p1.py  
Enter an integer between 10 and 50:  
Not an integer value.  
Program exiting!!!  
root@ctf:~/py# echo $?  
10  
root@ctf:~/py# ./p1.py  
Enter an integer between 10 and 50: abc  
Not an integer value.  
Program exiting!!!  
root@ctf:~/py# echo $?  
10  
root@ctf:~/py# ./p1.py  
Enter an integer between 10 and 50: 100  
Integer value not between the specified range.  
Program exiting!!!!  
root@ctf:~/py# echo $?  
20  
root@ctf:~/py# ./p1.py  
Enter an integer between 10 and 50: 25  
The value entered is: 25  
root@ctf:~/py# echo $?  
0  
root@ctf:~/py#
```

Python Assignment 011

Write a Python program that will calculate the area of a rectangle.

- The user has to pass the height and width of the rectangle as command line arguments.
- The program will calculate the area only if a valid integer is passed to the program.
- If the user is providing invalid inputs, display an in-appropriate message and exit.

Expected Output:

```
root@ctf:~/py# ./p1.py
Invalid number of arguments passed
root@ctf:~/py# ./p1.py aa bb
Invalid argument.
root@ctf:~/py# ./p1.py aa 10
Invalid argument.
root@ctf:~/py# ./p1.py 10 aa
Invalid argument.
root@ctf:~/py# ./p1.py 10 20
The value of height (provided by the user) is 10
The value of width (provided by the user) is 20
Total area is 200
```