

Experiment3: Consider the string “Welcome to Python World”. Perform the following operations:

- **Count the number of alphabets in the given string.**
- **To extract characters in the given, range from the givens string.**
- **Check if the string is alphanumeric or not.**

CODE:

```
str="Welcome to Python World"
print('Original String:',str)
while(1):
    print('1.Count number of alphabets')
    print('2.Extract character using range')
    print('3.String is alphanumeric or not')
    print('4.Exit')
    c=int(input('Enter your choice:'))
    if(c==1):
        l=len([ele for ele in str if ele.isalpha()])
        print(l)
    elif(c==2):
        start=int(input('Enter start range:'))
        end=int(input('Enter end range:'))
        print(str[start:end])
    elif(c==3):
        print(str)
```

```
b=str.isalnum()

print(b)

elif(c==4):

    break;
```

OUTPUT:

```
Original String : Welcome to Python World
1. Count no of alphabets
2. Extract character using range
3. String is aplhanumeric or not
4. Exit
Enter your choice: 1
20
1. Count no of alphabets
2. Extract character using range
3. String is aplhanumeric or not
4. Exit
Enter your choice: 2
Enter start range: 8
Enter end range: 17
to Python
1. Count no of alphabets
2. Extract character using range
3. String is aplhanumeric or not
4. Exit
Enter your choice: 3
Welcome to Python World
False
1. Count no of alphabets
2. Extract character using range
3. String is aplhanumeric or not
4. Exit
Enter your choice: 4
```