

Module 2: Sequences and File Operations

Assignment

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1. Correct the program given below

```
total = raw_input('What is the total amount for your online shopping?')
country = raw_input('Shipping within the US or Canada?')
if country == "US":
    if total <= "50":
        print "Shipping Costs $6.00"
    elif total <= "100":
        print "Shipping Costs $9.00"
    elif total <= "150":
        print "Shipping Costs $12.00"
    else:
        print "FREE"
if country == "Canada":
    if total <= "50":
        print "Shipping Costs $8.00"
    elif total <= "100":
        print "Shipping Costs $12.00"
    elif total <= "150":
        print "Shipping Costs $15.00"
    else:
        print "FREE"
```

2. Write a program that uses `raw_input` to prompt a user for their name and then welcomes them.

Example: Enter your name: Chuck

Hello Chuck

3. Write a program which prompts the user for a Fahrenheit temperature, convert the temperature to Celsius and print out the converted temperature.

4. Write a program to prompt the user for hours and rate per hour to compute gross pay.

Example: Enter Hours: 35

Enter Rate: 2.75

Pay: 96.25

5. Write a for loop that prints all elements of a list and their position in the list.

```
a = [4,7,3,2,5,9]
```

6. Write a program which should create a dictionary of key:values.

```
'A':1 'B':2 'C':3 . . . . 'Z':26 [Use dictionary comprehension]
```

7. Write a program to reverse/inverse key:value like below.

```
dict1 = { 'a': 1, 'b':2 }
```

Expected result : dict2 = { 1: 'a', 2: 'b' }

8. Using given list L = ['a', 'b', 'c', 'd'] create a dictionary of key:values.

Expected result {'a': 1, 'c': 3, 'b': 2, 'd': 4} [Hint: Use Enumerate function]

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