Intermediate Level Python Coding Question & Answers

1 Intermediate Level Python Coding Question & Answers

1. Q.1. Write a Python code to merge two dictionaries

[2]:
```
dic1 = {'a' : 1, 'b' : 2}
dic2 = {'b' : 3, 'c' : 4}

merged = {**dic1, **dic2}
print (merged)
```

```
{'a': 1, 'b': 3, 'c': 4}
```

1.2 Q.2. Write a Python program to find common elements in two lists

[3]:
```
list1 = [1,2,2,3,4]
list2 = [1,2,8,10,12]

common = list(set(list1) &set(list2))
print (common)
```

```
[1, 2]
```

1.3 Q.3. Write a Python program to find common elements in two lists

[6]:
```
list1 = [1,2,2,3,4]
list2 = [1,2,8,10,12]

common = list(set(list1) &set(list2))
print (common)
```

```
[1, 2]
```

1.4 Q.4. rite a Python code to remove duplicates from a list

[7]:
```
list1 = [1,2,2,3,4,10]

unique_list = list(set(list1))
print(unique_list)
```

```
[1, 2, 3, 4, 10]
```

1.5 Q.5. Write a Python code to check if a string is a palindrome

[18]:
```
def is_palindrome(s):
    return s == s[::-1]

string = input("Enter a string:")

if is_palindrome(string):
    print ("This is a Palindrome Number")
else:
    print ("This is not a Palindome Number")
```

```
Enter a string: madam
This is a Palindrome Number
```

1.6 Q.6. Write a Python program to find the longest word in a sentence

[21]:
```
def find_longest_word(sentence):
    words = sentence.split()
    longest_word = max(words, key = len)
    return longest_word

sentence = input("Type the sentence:")

longest = find_longest_word(sentence)
print ("The Longest Word is:", longest)
```

```
Type the sentence: I am studying computer science
The Longest Word is: studying
```

1.7 Q.7. Write a Python code to find the first non-repeating character in a string

[26]:
```
def first_non_repeating_char(s):
    char_count = {}
    for char in s:
        char_count[char] = char_count.get(char, 0) + 1
    for char in s:
        if char_count[char] == 1:
            return char
    return None

print(first_non_repeating_char("nxtwave"))
```

```
n
```

1.8 Q.8. Write a Python code to count the number of uppercase letters in a string

[25]:
```
def count_uppercase(s):
    return sum(1 for char in s if char.isupper())

string = input("Enter the String:")
print ("The Number of Uppercase is:", count_uppercase(string))
```

```
Enter the String: NextPortal
The Number of Uppercase is: 2
```

[ ]:
```

```

[ ]:
```

```