

Recitation Week 4 Solutions

Problem 1:

```
# Name: Asmit De
# Section: 001/002
# PSU ID: aud311
# Lab Assignment: Recitation Week 4 - Problem 1
# Date: 09/15/2016
# Description: Display the character associated with an ASCII code
```

```
# Prompt the user to enter an ASCII code and save it in a variable
ascii_code = int(input('Enter an ASCII value: '))
```

```
# Obtain the corresponding character
ascii_char = chr(ascii_code)
```

```
# Display the corresponding character
print('The character for ASCII code', ascii_code, 'is', ascii_char)
```

```
RESTART: C:/Users/aud311/OneDrive/PSU/TA/CMPSC 101 Introduction to Programming/
Recitations/RW3/problem1.py
Enter an ASCII value: 67
The character for ASCII code 67 is C
>>>
```

Problem 2:

```
# Name: Asmit De
# Section: 001/002
# PSU ID: aud311
# Lab Assignment: Recitation Week 4 - Problem 2
# Date: 09/15/2016
# Description: Display a string entered by the user n times
```

```
# Prompt the user to enter a string and a number
message = input('Enter a string: ')
count = int(input('Enter an integer: '))
```

```
# Print the string n times
print((message + '\n') * count)
```

```
RESTART: C:/Users/aud311/OneDrive/PSU/TA/CMPSC 101 Introduction to Programming/
Recitations/RW3/problem2.py
Enter a string: Hello python!
Enter an integer: 4
Hello python!
Hello python!
Hello python!
Hello python!
>>>
```

Problem 3:

```
# Name: Asmit De
# Section: 001/002
# PSU ID: aud311
# Lab Assignment: Recitation Week 4 - Problem 3
# Date: 09/15/2016
# Description: Print number with 3 precision places an 10 col right justified
```

```
print(format(0.457467657, '10.2f'))
```

```
RESTART: C:/Users/aud311/OneDrive/PSU/TA/CMPSC 101 Introduction to Programming/
Recitations/RW3/problem3.py |
    0.46
>>>
```

Problem 4:

```
# Name: Asmit De
# Section: 001/002
# PSU ID: aud311
# Lab Assignment: Recitation Week 4 - Problem 4
# Date: 09/15/2016
# Description: Calculate percentages of males/females in class
```

```
# Prompt the user to enter the number of males and females
males = int(input('Enter the number of males: '))
females = int(input('Enter the number of females: '))
```

```
# Calculate the fraction of males and females in class
total = males + females
male_pc = males / total
female_pc = females / total
```

```
# Display the percentage of males and females in class
print('Percentage of males =', format(male_pc, '.2%'))
print('Percentage of females =', format(female_pc, '.2%'))
```

```
RESTART: C:/Users/aud311/OneDrive/PSU/TA/CMPSC 101 Introduction to Programming/
Recitations/RW3/problem4.py
Enter the number of males: 7
Enter the number of females: 12
Percentage of males = 36.84%
Percentage of females = 63.16%
>>>
```
