**Lab Week 3A**

**Problem 1: Grade Calculator**

Write a Python program that takes the score as input (out of 100) and prints out the corresponding letter grade according to the following scale:

* A: 90-100
* B: 80-89
* C: 70-79
* D: 60-69
* F: 0-59

Paste your source code below:

score = float(*input*("score: "))

if score < 0 or score > 100:

*print*("Invalid score!")

else:

score = int(score)

x = score // 10 - 6

letter = 'F'

if x >= 0:

letter = "DCBAA"[x]

*print*("You letter grade is", letter)

Paste the screenshot of your output below:

A screen shot of a computer

Description automatically generated

**Problem 2 - Odd or Even**

Write a Python program that takes an integer as input and prints whether it's an odd or even number.

Paste your source code below:

x = int(*input*("integer: "))

t = "odd"

if x % 2 == 0:

t = "even"

*print*("It is an", t, "number")

Paste the screenshot of your output below:

A screen shot of a computer screen

Description automatically generated

**Problem 3: Age Classifier**

Write a Python program that takes a person's age as input and classifies it into one of the following categories: infant (0-1), child (2-12), teenager (13-19), adult (20-64), or senior (65+).

Paste your source code below:

age = int(*input*("age: "))

if age < 0:

*print*("Invalid input!")

else:

t = "infant"

if age >= 65:

t = "senior"

elif age >= 20:

t = "adult"

elif age >= 13:

t = "teenager"

elif age >= 2:

t = "child"

*print*("=>", t)

Paste the screenshot of your output below:

A screen shot of a computer screen

Description automatically generated