KJC4 4 CREDITS

NARRATIVE FOR HOMEWORK7

PE3

I asked the user to input the exam score. I used if -elif statements with different conditions representing the grade definitions for different scores ; 90-100 for A , 80-89 for B, 70-79 for C, 60-69 for D, anything below 60 F. then printed out the score and the grade.

PE4

I asked the user to input the amount of credits student has earned since enrolment. I then used if- elif statements with different conditions representing the class standing for various amounts of credits. I then printed out the class standing of the student(freshman,sophomore,junior,senior)

----PE 1 is an example of filtering. It does not require multiple decisions. Once the number of hours worked for the week and the hourly rate are inputted, a simple if- else can be used. If clause covers conditions when employee worked overtime(0ver 40 hours) , calculates the overtime wages and finds the final total wages . The else clause will cover those did not work overtime.

----PE13 is an example of complex boolean decision trees .This question will require several nested if statements. This statements will be required to first determine if the date inputted is a valid date and then will also be required to determine the actual day number considering conditions where the year is a leap year, when it is after the month of February etc

----PE3 is an example of case/ switch statements. It is similar to a multi way decision. This question can be handled with an if-elif-else clause. The various if-elif clauses will represent grades corresponding to different score ranges. An optional else clause can be used with default statements to be executed when all the if-elif clauses are evaluated to be false.

PE6

I asked the user to input the speed limit and clocked speed. I then used if-elif statements to specify conditions when the clocked speed surpassed the speed limit and was over 90 ,when it surpassed the speed limit and was under 90/equal to 90, when it was under/equal to the speed limit and printed out the fine amount , appropriate message as required.

DRACULA\_TOC

I read the Dracula file in using read() and stored it in a variable “dracula”. I then used index(“CONTENTS”) to designate the beginning of the text I wanted to slice and stored it in a variable “beg” and I used index(“\nDRACULA”) to designate the end of the text I wanted to slice and stored it in a variable “end”. I then sliced out the required text and stored it in variable ”table\_of\_contents”. I split table\_of\_contents using split(“\n”) and stored the list in variable “mylist”. I then used a for loop to loop through each element in mylist and a nested if statement inside the for loop to find elements of mylist that were not empty strings and ended with a digit . I then printed out those elements , and closed the file.