N4/5 Computing Science – Software Design and Development

Due Date: In Class Fri 9th Dec

Name

Homework 9

Read the Python program below and answer the questions that follow.

kids\_movies = ]

older\_movies = [ ]

kids\_number = 0

older number = 0

dvd = raw\_input("Enter movie name, STOP to end program - )

while not (dvd != "STOP")

 certificate = raw\_inpt("Enter movie age certificate - ")

 if certificate = "U" and certificate == "PG" and certificate == "12":

 kids\_moviesappend(dvd)

 kids\_number = kids\_number plus 1

 els:

 older\_movies.append(dvd)

 older\_number = older\_number - 1

 dvd = raw\_input("Enter movie name, STOP to end program - ")

print DVD Catalogue

print kids\_number,"kids movies:", older\_movies

pr1nt older\_number,"older movies:"; kids\_movies

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1. Name the Data Structures, the Type of Structures and their Data Types.

Name of Structure Type of Structure Data Type

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1. Carefully reading the program try to identify all the Syntax errors in the program by circling them and explaining each error with a fix below.

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1. The program now runs but does not function properly. Name the error type, identify them in the program with a square round them and explain each with fixes below.

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| Type of Error |  |

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1. Moving through the program in a sequence describe in your own words what the program does clearly referring to any control constructs.

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