

AP Comp Sci A/B Mr. Hanley

Assignment 3: Designing some classes

On Page 75 of your text,
 exercise P2.8 Implement an Employee class and EmployeeTest
 do exercise P2.9, enhance the Employee class
 exercise P2.10 Car class and CarTest class to test
 exercise P2.11 Student class and StudentTest class to test

RUBRIC:

Employee	
2 constructors	10
getSalary	5
getName	5
EmployeeTest	
creates employee object and calls methods	10
raiseSalary	10
Car	
constructor	5
drive	5
getGas	5
addGas	5
carTest	
creates at least 2 car objects and calls methods	10
Student	
name and quiz score , num quizzes variables	5
constructor	5
getName	5
addQuiz	5
getTotalScore	5
getAverageScore	5
StudentTest	
create at least two students and enter at least 3 quiz scores to each student, calls all methods	20
TOTAL	120 points

String*Arrays*ArrayList*Sets*Maps*Artificial Intelligence*Heaps*Files*Video Games*Short circuit evaluation

*Dynamic Memory *Big O Notation *Stacks*Linked Lists*Binary Trees*Selection Sort*Insertion Sort*Hashing*Priority Queue*Collisions*

Recursion*Linear Search*Binary Search*Marine Biology Case Study*Infix*Postfix*Prefix*nlogn