

AP Comp Sci A/B Mr. Hanley

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

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

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