



MATA JAI KAUR PUBLIC SCHOOL									
CLASS XII/HOLIDAYS H.W. 2017									
SUBJECT	HOLIDAYS H.W.								
COMPUTER SCIENCE	<p>Note: Develop the following programs and attach print outs in your Assignment folder</p> <p><u>1. Define a class RESORT in C++ with following description :</u></p> <p><u>Private Members</u></p> <ul style="list-style-type: none">• Rno -Data member to store Room No• Name -Data member to store customer name• Charges - Data member to store per day charges• Days -Data member to store number of days of stay <p>COMPUTE() -A function to calculate and return Amount as Days*Charges and if the value of Days*Charges is more than 11000 then as 1.02*Days*Charges</p> <p><u>Public Members</u></p> <ul style="list-style-type: none">• Getinfo() --A function to enter the content Rno, Name,Charges and Days• Dispinfo()--A function to display Rno, Name,Charges,Days and Amount (Amount to be displayed by calling function) <p><u>2. Define a class in C++ with following description:</u></p> <p><u>Private Members</u></p> <ul style="list-style-type: none">• A data member Flight number of type integer• A data member Destination of type string• A data member Distance of type float• A data member Fuel of type float• A member function CALFUEL() to calculate the value of Fuel as per the following criteria <table><thead><tr><th><u>Distance</u></th><th><u>Fuel</u></th></tr></thead><tbody><tr><td><=1000</td><td>500</td></tr><tr><td>more than 1000 and <=2000</td><td>1100</td></tr><tr><td>more than 2000</td><td>2200</td></tr></tbody></table> <p><u>Public Members</u></p> <ul style="list-style-type: none">• A function FEEDINFO() to allow user to enter values for Flight Number, Destination, Distance & call function CALFUEL() to calculate the quantity of Fuel• A function SHOWINFO() to allow user to view the content of all the data members <p><u>3. Define a class TEST in C++ with following description:</u></p> <p><u>Private Members</u></p>	<u>Distance</u>	<u>Fuel</u>	<=1000	500	more than 1000 and <=2000	1100	more than 2000	2200
<u>Distance</u>	<u>Fuel</u>								
<=1000	500								
more than 1000 and <=2000	1100								
more than 2000	2200								



a. TestCode of type integer

b. Description of type string

c. NoCandidate of type integer

d. CenterReqd (number of centers required) of type integer

e. A member function CALCNTR() to calculate and return the number of centers as $(\text{NoCandidates}/100+1)$

Public Members

- A function SCHEDULE() to allow user to enter values for TestCode, Description, NoCandidate & call function CALCNTR() to calculate the number of Centres

- A function DISPTST() to allow user to view the content of all the data members

4. Define a class Garments in C++ with the following descriptions:

Private Members:

GCode of type string

GType of type string

GSize of type integer

GFabric of type string

GPrice of type float

A function Assign() which calculates and assigns the value of GPrice as follows

For the value of GFabric as "COTTON",

GType GPrice(Rs)

TROUSER 1300

SHIRT 1100

For GFabric other than "COTTON" the above mentioned GPrice gets reduced by 10%.

Public Members:

A constructor to assign initial values of GCode, GType and GFabric with the word "NOT ALLOTTED" and GSize and GPrice with 0

A function Input() to input the values of the data members GCode, GType, GSize and GFabric and invoke the Assign() function.

A function Display() which displays the content of all the data members for a Garment.

5. Define a class Student for the following specifications.

Private members of the Student are:

roll_no integer

name array of characters of size 20

class_st array of characters of size 8

marks array of integers of size 5

Percentage float



	<p>Calculate() that calculates overall percentage marks and returns the percentage</p> <p><u>Public Members of the Student are:</u></p> <p>Readmarks reads mark and invoke the calculate function</p> <p>Displaymarks prints the data.</p>
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