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**COS 202 Assignment**

**Question 1:**

**TASK 5.5**

#include<iostream>

using namespace std;

const int day =7;

const int week = 2;

const int price = 155;

void supplies(int daily [week][day]){

for(int i=0;i<week;i++){

cout<<"Number of liters delievered today : "<<endl;

for(int x=0;x<day;x++){

cin >>daily[i][x];

}

}

for(int i=0;i<week;i++){

cout<<"WEEK "<<i+1 <<":";

for(int x=0;x<7;x++){

cout<<"DAY "<<x+1 << " :"<<daily[i][x]<<"\t";

}

cout<<endl;}}

void costprice (int daily [week][day], double cost [week][day]){

for(int i=0;i<week;i++){

for(int x=0;x<day;x++){

cost[i][x] = daily[i][x] \* price;

}

} cout<<endl;

}

void display(double cost [week][day]){

cout<<"Supply cost in naira "<<endl;

for(int i=0;i<week;i++){

cout<<"WEEK "<<i+1 <<":";

for(int x=0;x<7;x++){

cout<<"DAY "<<x+1 << " :"<<cost[i][x]<<"\t";

} cout<<endl;}}

double caltotal(double cost [week][day]){

int total = 0 ;

for(int i=0;i<week;i++){

for(int x=0;x<day;x++){

total +=cost[i][x] ;

}

}

return total;

}

int main (){

int daily [week][day];

double cost [week][day];

supplies(daily);

costprice(daily,cost);

display(cost);

cout<<" the total cost is :"<< caltotal(cost);

return 0 ;}

**Question 2**

**TASK 6.5**

#include <iostream>

using namespace std;

class TollBooth{

int totalcars = 0;

double totalmoney = 0.0;

public:

void payingcar(){

totalcars++,totalmoney+=50;

}

void nopayingcar(){

totalcars++;

}

void display()const{

cout<<"cars:"<<totalcars<< "Money:N"<<totalmoney<<endl;

}

};

int main(){

TollBooth booth; char choice;

cout<<"Enter 'P' (pay), 'n'(nopay), 'q'(quit):\n";

while(cin>>choice&&choice!='q')

(choice = 'p')?booth.payingcar():(choice=='n')?

booth.nopayingcar():cout<<"invalid";

return 0;

}