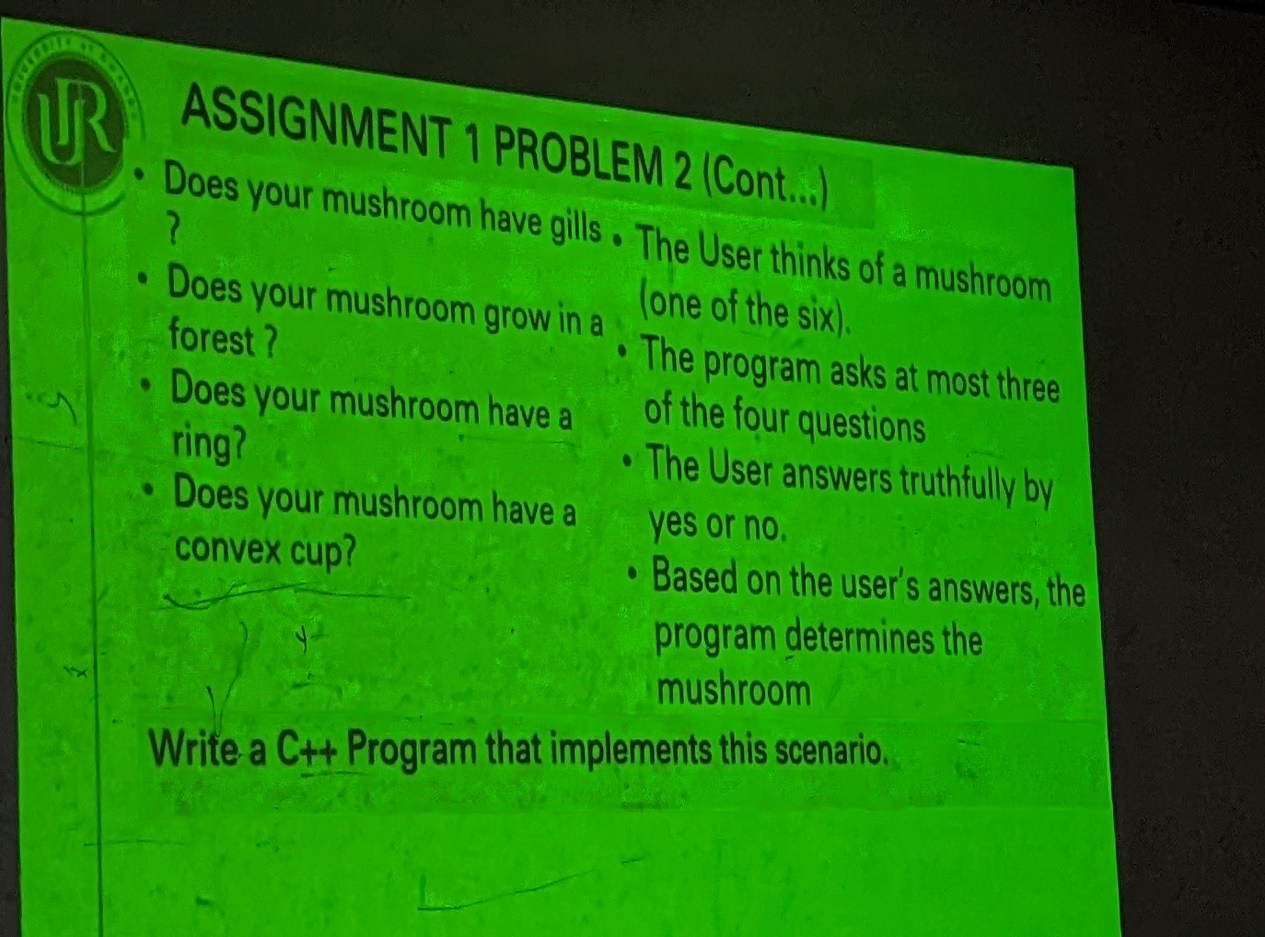
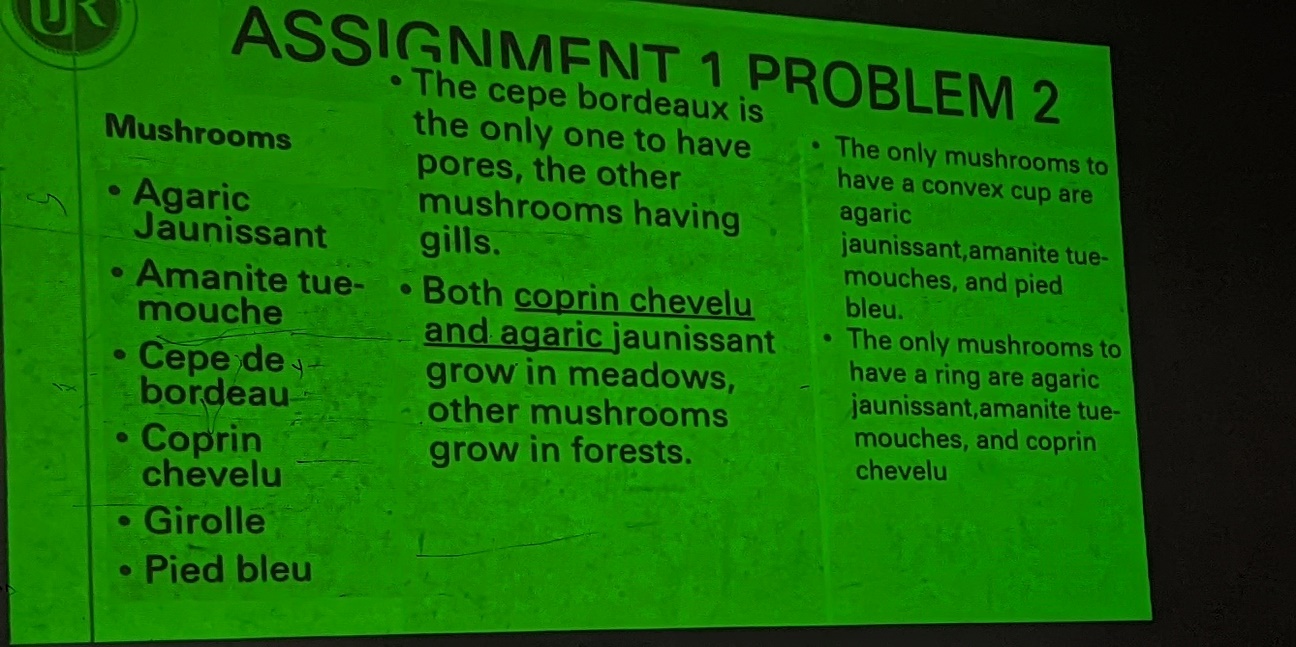
[Date]

Advanced programing in C++

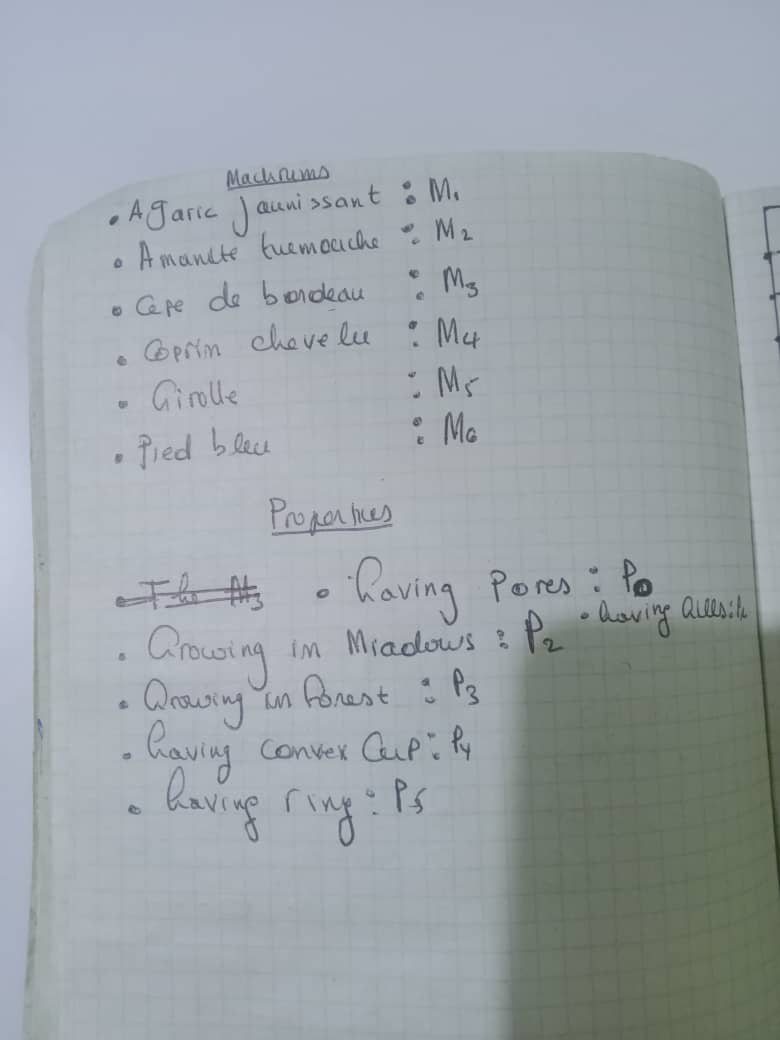
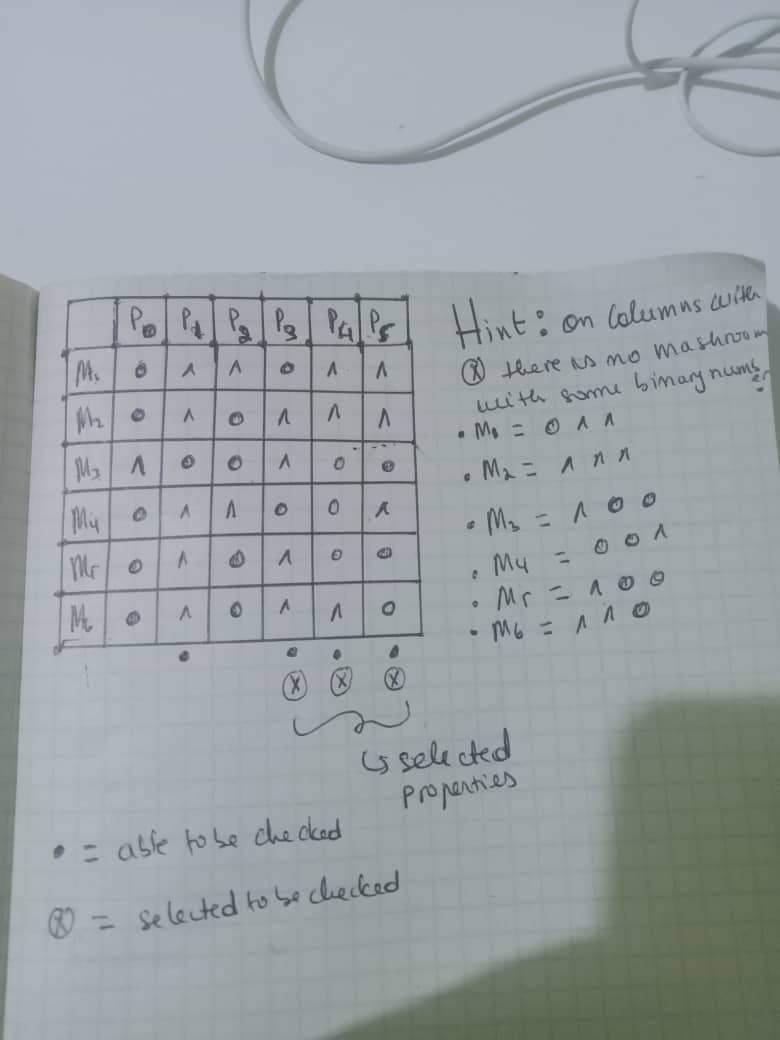
Assignment 06th July 2023

|  |  |
| --- | --- |
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QUESTION1 

**ANSWERS**

**Problem analysis**



CODES

//AGARIC JAUNISSANT:-GILLS->MEADOWS(NO FOREST)->COMVEX CUP ->RING

//AMANITE TUEMOUCHE:-GILLS->FOREST->COMVEX CUP ->RING

//CEPE DE BORDEAU:-PORES(NO GILLS)->FOREST->(NO COMVEX CUP) ->(NO RING)

//COPRIN CHEVELU:-GILLS->MEADOWS(NO FOREST)->(NO COMVEX CUP) ->RING

//GIROLLE:-GILLS->FORESTS->(NO COMVEX CUP)->(NO RING)

//PIED BLEU:-GILLS->FOREST-> COMVEX CUP->(NO RING)

#include<iostream>

using namespace std;

int main(){

char gills, forest, ring, comvex\_cup;

cout<<"----- please enter y for yes and n for no ------- \n \n";

cout<<"does your mushrooom have gills :\n";

cin>>gills;

cout<<"does your mushroom grow in forest ?: \n";

cin>> forest;

cout<<"does your mushroom have a ring ?: \n";

cin>> ring;

if(gills =='y'&&forest =='y'&&ring =='y'){

cout<<"your mushroom is: AMANITE TUEMOUCHE";

}

else if(gills == 'y'&&forest == 'n'&&ring =='y'){

cout<<"your mushroom is : AGARIC JAUNISSANT";

}

else if(gills =='n'&&forest =='y'&&ring =='n'){

cout<<"your mushroom is : CEPE DE BORDEAU";

}

else if(gills =='y'&&forest =='y'&&ring =='n'){

cout<<"does your mushroom have comvex cup? : \n";

cin>> comvex\_cup;

if(comvex\_cup =='y') cout<<"your mushrooom is: GIROLLE ";

else if(comvex\_cup =='n')

cout<<" your mushroom is : PIED BLEU";

}

else if (gills!='y'||gills!='n'||forest!='n'||forest!='y'||

ring!='n'||ring!='y'){

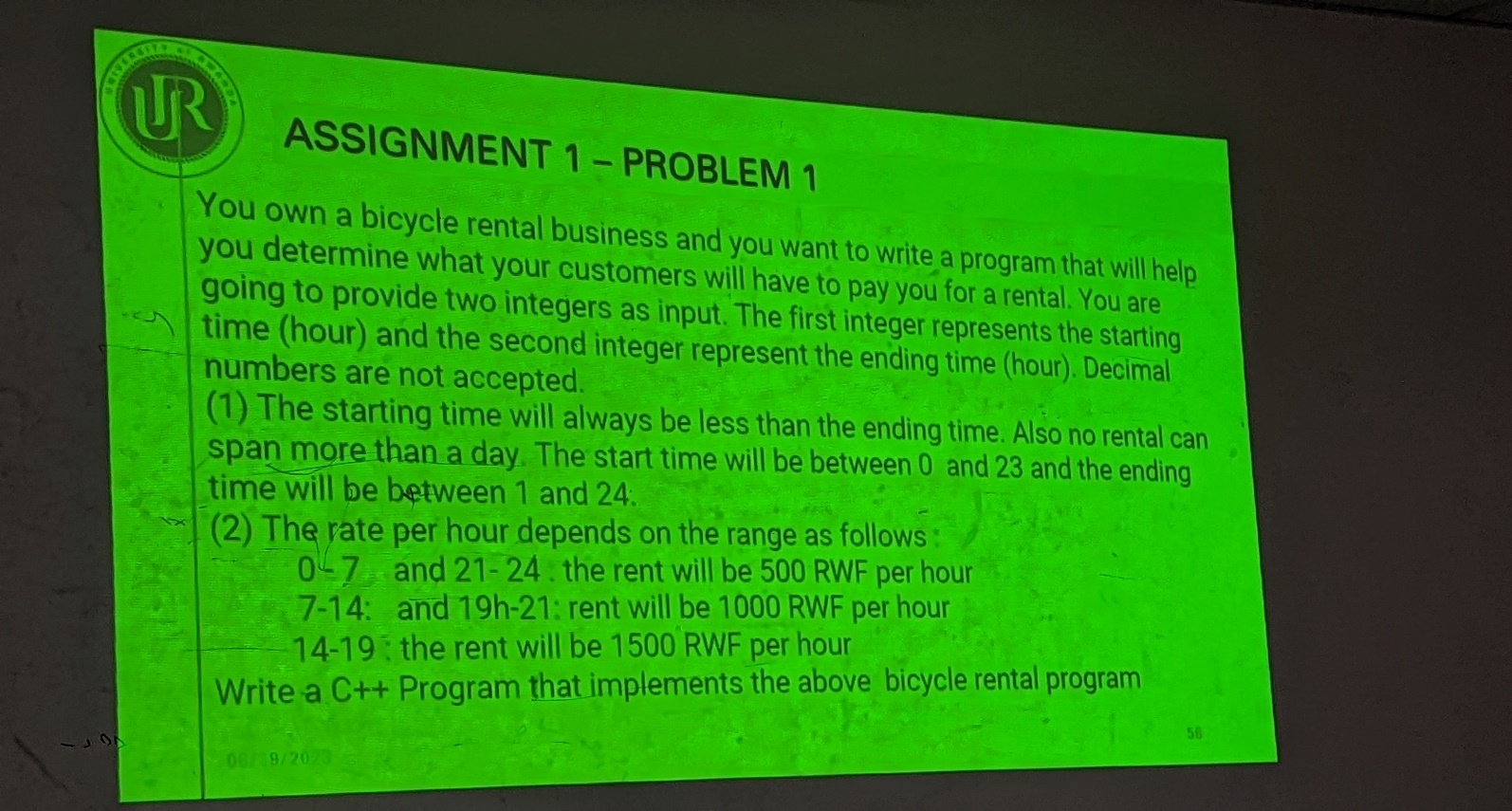
cout<<" answer must be only either y or n !!\n";

}

return 0;

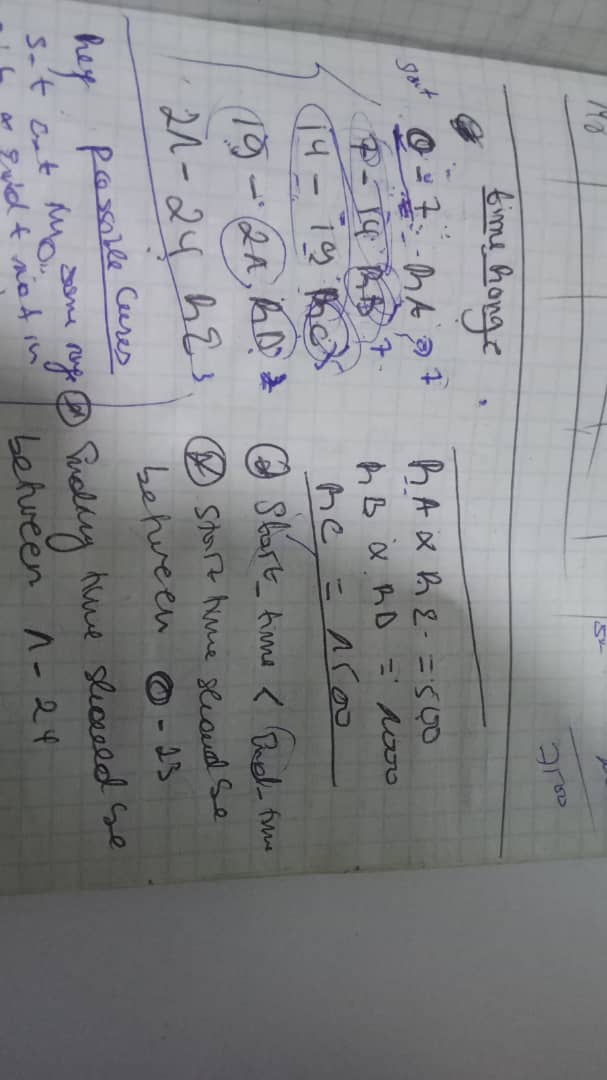
}

QUESTION 2



ANSWER

Problem analysis



CODES

#include<iostream>

using namespace std;

int main(){

int start\_time,end\_time,used\_time,sum;

cout<<"please enter start time and end time respectivery"<<endl;

cin>>start\_time>>end\_time;

used\_time = end\_time - start\_time;

if(0 <=start\_time && start\_time < 24 && 0 < end\_time && end\_time <= 24 && start\_time < end\_time){

if(start\_time >= 0 && end\_time < 7){

sum+= (end\_time - start\_time) \* 500;

}

if(start\_time>=0 && start\_time < 7 && end\_time >=7){

sum+= (7 - start\_time)\*500;

}

if(start\_time >= 7 && end\_time < 14){

sum+= (end\_time - start\_time) \* 1000;

}

if(start\_time<=7 && end\_time >14){

sum+= 1000\*7;

}

if(start\_time>=7 && start\_time < 14 && end\_time >=14){

sum+= (14 - start\_time)\*1000;

}

if(start\_time<7 && end\_time > 7 && end\_time <14){

sum+= (end\_time - 7)\*1000;

}

if(start\_time >= 14 && end\_time < 19){

sum+= (end\_time - start\_time) \* 1500;

}

if(start\_time<=14 && end\_time >19){

sum+= 1500\*5;

}

if(start\_time>=14 && start\_time < 19 && end\_time >=19){

sum+= (19 - start\_time)\*1500;

}

if(start\_time<14 && end\_time > 14 && end\_time <19){

sum+= (end\_time - 14)\*1500;

}

if(start\_time >= 19 && end\_time < 21){

sum+= (end\_time - start\_time) \* 1000;

}

if(start\_time<=19 && end\_time >21){

sum+= 1000\*2;

}

if(start\_time>=19 && start\_time < 21 && end\_time >=21){

sum+= (21 - start\_time)\*1000;

}

if(start\_time<19 && end\_time > 19 && end\_time <21){

sum+= (end\_time - 19)\*1000;

}

if(start\_time >= 21 && end\_time < 24){

sum+= (end\_time - start\_time) \* 500;

}

// if(start\_time<=21 && end\_time >24){

// sum+= 500\*7;

// }

if(start\_time>=21 && start\_time < 24 && end\_time >=24){

sum+= (24 - start\_time)\*500;

}

if(start\_time<21 && end\_time > 21 && end\_time <24){

sum+= (end\_time - 21)\*500;

}

cout<<"you should pay "<<sum<<" rwf"<<endl;

}else{

cout<<"INVARID INPUT, try again."<<endl;

}

}