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#include <iostream>

using namespace std;
void snorkelling();
void diving();
int main()
{
    int package;
    cout<<"Coral Reef Resort"<<endl;

    cout <<"1. Snorkeling"<<endl<<"2. Diving" <<endl;
    cout<<"Choose Package: ";
    cin>>package;
    cout<<endl;
    if(package==1)
    {
        snorkelling();
    }
    else if(package==2)
    {

        diving();

    }
    else{
        cout<<"wrong input";

    }


    return 0;
}

void snorkelling()
{
    int weekdays [3] = { 390, 320, 270 };
    int weekend [3] = { 410, 350, 290};
    int roomType, room, week, people, payment;

    cout<<"3 Days 2 Nights package:Rates per person(Ringgit Malaysia)"<<endl;
    cout<<"No \t Room Type \t Weekdays \t Weekend"<<endl;
    cout<<"1 \t Twin \t 390 \t 410"<<endl;
    cout<<"2 \t Triple \t 320 \t 350"<<endl;
    cout<<"3 \t Quad \t 270 \t 290"<<endl;
    cout<<endl;

    cout<< "1. weekdays or 2. weekend: ";
    cin >> week;

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//check for weekdays or weekend
if(week == 1) //weekdays
{
    cout<<"Room number:";
    cin>>room;

    roomType = weekdays[room -1 ];

    cout<<"How many people: ";
    cin>>people;
    payment = people * roomType;

    cout << "Total payment: "<<payment;

}else if (week == 2)
{ //weekend
    cout<<"Room type: ";
    cin>>room;
    roomType = weekend[room -1 ];

    cout<<"How many people: "<<endl;
    cin>>people;
    payment = people * roomType;

    cout << "Total payment: "<<payment;
}else{
    cout<<"wrong input";
}

}

void diving()
{
    int shore [2] = { 55, 80 };
    int boat [2] = { 95, 130};
    int payment, people, rent, time, diveType, dive;

    cout<<"No \t Package Type \t Shore \t Boat"<<endl;
    cout<<"1. \t Day          \t RM55  \t RM95"<<endl;
    cout<<"2. \t Night        \t RM80  \t RM130"<<endl;
    cout<<endl;

    cout<<"Day or Night: ";
    cin>>time;
    if(time==1)//day
    {

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cout<<"1.Shore or 2.Boat: ";
cin>>dive;
if(dive==1)
{
    diveType=shore[1-1];
}
else if(dive==2)
{
    diveType=boat[1-1];
}else
{
    cout<<"No dive type";
}

cout<<"How many people: ";
cin>>people;
cout<<"How many diving equipment you want to rent: ";
cin>>rent;
payment = (people*diveType) + (rent *200);
cout<<"total Payment: "<<payment;

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}else if(time==2)//night
{
    cout<<"Shore or Boat: ";
    cin>>dive;
    if(dive==1) //shore
    {
        diveType=shore[2-1]; //shore night
    }
    else if(dive==2)
    {
        diveType=boat[2-1]; //boat night
    }else
    {
        cout<<" no dive type";
    }
}

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cout<<"How many people: ";
cin>>people;
cout<<"How many diving equipment you want to rent: ";
cin>>rent;
payment = (people*diveType) + (rent *200);
cout<<"total Payment: "<<payment;

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}

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