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#include <iostream>

using namespace std;

void timeOnJob(int arvHr, int arvMin, bool arvlIsAM, int depHr, int depMin, bool deplIsAM);
int main()
{
    string employeeName;
    int arrivalHr;

    int departureHr;
    int departureMin;
    bool departureAM;

    char response;
    char discard;
    char isAM;

    cout << "This program calculates the total time spent by an" << "employee on the job."<<endl;
    cout << "To run the program, enter (y/Y):";
    cin>>response;
    cout<<endl;

    cin.get(discard);

    while(response=='y' || response=='Y')
    {
        int arrivalMin;
        bool arrivalAM;
        cout<<"Enter employees name: ";
        getline(cin, employeeName);
        cout<<endl;

        if(isAM== 'y' || isAM=='Y')
            arrivalAM =true;
        else
            arrivalAM=false;

        cout<<"Enter departure hour: ";
        cin>>departureHr;
        cout<<endl;

        cout<<"Enter departure minute: ";
        cin>>departureMin;
        cout<<endl;

        cout<<"Enter (y/Y) is departure is before 12:00 PM: ";
        cin>>isAM;
        cout<<endl;

        if(isAM=='y' || isAM=='Y')
            departureAM = true;
        else
            departureAM = false;
        cout<<employeeName<<endl;
    }
}

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        cout<<"Enter arrival Hour: ";
        cin>>arrivalHr;
        cout<<endl;

        cout<<"Enter arrival minute: ";
        cin>>arrivalMin;
        cout<<endl;

        cout<<"Enter (y/Y) if arrival is before 12:00 PM: ";
        cin>>isAM;
        cout<<endl;
int arvHr;
int arvMin;
bool arvlIsAM;
int depHr;
int depMin;
bool deplIsAM;
timeOnJob(arvHr, arvMin, arvlIsAM, depHr, depMin, deplIsAM);

        cout<<"Run program again (y/Y)";
        cin>>response;
        cout<<endl;
        cin.get(discard);

    }
    return 0;
}

void timeOnJob(int arvHr, int arvMin, bool arvlIsAM, int depHr, int depMin, bool deplIsAM)
{
    int arvTimeInMin;
    int depTimeInMin;
    int timeOnJobInMin;
    if((arvlIsAM== true && deplIsAM== true) || (arvlIsAM ==false && deplIsAM==false))
    {

        arvTimeInMin = arvHr * 60 + arvMin;
        depTimeInMin = depHr * 60 + depMin;
        timeOnJobInMin = (720 - arvTimeInMin) + depTimeInMin;
        cout<<"Time spent of Job: "<< timeOnJobInMin / 60 << "hours and " << timeOnJobInMin
% 60<<"Minutes."<<endl;

    }
    else if(arvTimeInMin<=depTimeInMin)
    {
        timeOnJobInMin = depTimeInMin - arvTimeInMin;
        cout<<"Time spent of Job: "<< timeOnJobInMin / 60 << "hours and " <<
timeOnJobInMin % 60<<"Minutes."<<endl;
    }
    else
    {
        cout<<"Invalid InPut. "<<endl;
    }
}

```

