**PROGRAMMING FUNDAMENTALS**

**ASSIGNMENT NO.3**

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**SECTION: BS(CS)19-A**

**ROLL NO: 19P-0033**

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**Task 1:**

#include<iostream>

#include<conio.h>

#include<string>

#include<fstream>

using namespace std;

int main()

{

string V1,V2,V3;

int M1,M2,M3;

ifstream infile1("E\:name.txt");

ifstream infile2("E\:marks.txt");

infile1>>V1>>V2>>V3;

infile2>>M1>>M2>>M3;

cout<<V1<<" "<<M1<<" ";

if(M1>=90)

{

cout<<"A+"<<endl;

}

else if(M1<=89 && M1>=86)

{

cout<<"A"<<endl;

}

else if(M1<=85 && M1>82)

{

cout<<"A-"<<endl;

}

else if(M1<=81 && M1>=78)

{

cout<<"B+"<<endl;

}

else if(M1<=77 && M1>=74)

{

cout<<"B"<<endl;

}

else if(M1<=73 && M1>=70)

{

cout<<"B-"<<endl;

}

else if(M1<=69 && M1>=66)

{

cout<<"C+"<<endl;

}

else if(M1<=65 && M1>=62)

{

cout<<"C"<<endl;

}

else if(M1<=61 && M1>=58)

{

cout<<"C-"<<endl;

}

else if(M1<=57 && M1>=54)

{

cout<<"D+"<<endl;

}

else if(M1<=53 && M1>=50)

{

cout<<"D"<<endl;

}

else

cout<<"Fail"<<endl;

cout<<V2<<" "<<M2<<" ";

if(M2>=90)

{

cout<<"A+"<<endl;

}

else if(M2<=89 && M2>=86)

{

cout<<"A"<<endl;

}

else if(M2<=85 && M2>82)

{

cout<<"A-"<<endl;

}

else if(M2<=81 && M2>=78)

{

cout<<"B+"<<endl;

}

else if(M2<=77 && M2>=74)

{

cout<<"B"<<endl;

}

else if(M2<=73 && M2>=70)

{

cout<<"B-"<<endl;

}

else if(M2<=69 && M2>=66)

{

cout<<"C+"<<endl;

}

else if(M2<=65 && M2>=62)

{

cout<<"C"<<endl;

}

else if(M2<=61 && M2>=58)

{

cout<<"C-"<<endl;

}

else if(M2<=57 && M2>=54)

{

cout<<"D+"<<endl;

}

else if(M2<=53 && M2>=50)

{

cout<<"D"<<endl;

}

else

cout<<"Fail"<<endl;

cout<<V3<<" "<<M3<<" ";

if(M3>=90)

{

cout<<"A+"<<endl;

}

else if(M3<=89 && M3>=86)

{

cout<<"A"<<endl;

}

else if(M3<=85 && M3>82)

{

cout<<"A-"<<endl;

}

else if(M3<=81 && M3>=78)

{

cout<<"B+"<<endl;

}

else if(M3<=77 && M3>=74)

{

cout<<"B"<<endl;

}

else if(M3<=73 && M3>=70)

{

cout<<"B-"<<endl;

}

else if(M3<=69 && M3>=66)

{

cout<<"C+"<<endl;

}

else if(M3<=65 && M3>=62)

{

cout<<"C"<<endl;

}

else if(M3<=61 && M3>=58)

{

cout<<"C-"<<endl;

}

else if(M3<=57 && M3>=54)

{

cout<<"D+"<<endl;

}

else if(M3<=53 && M3>=50)

{

cout<<"D"<<endl;

}

else

cout<<"Fail"<<endl;

system("pause");

return 0;

}

**TASK 2:**

#include<iostream>

#include<fstream>

#include<string>

using namespace std;

int main()

{

int Marks;

int A,B,C,D;

ifstream in,input;

in.open("Price.txt");

input.open("P1.txt");

while(in>>A)

{

input>> B;

C=C+(A\*B);

cout<<"The Amount of Total Sales are $"<<A<<" Ticket is : $"<<A\*B<<endl;

cout<<"The Total Number of Tickets having a Price of $"<<A<<" are : "<<B<<endl;

D=D+B;

}

cout<<"The Total Sales Amount Of the Tickets is $"<<C<<endl;

cout<<"The Total Number of Tickets Sold is : "<<D<<endl;

in.close();

input.close();

system("pause");

return 0;

}