**BIBLIOGRAPHY**

* [**https://www.google.com/**](https://www.google.com/)
* [**http://en.wikipedia.org**](http://en.wikipedia.org)
* **Computer science with C++ by Sumita Arora**

**WORKING DESCRIPTION**

THIS PROGRAM IS DESIGNED TO CALCULATE THE PRICE OF A PRODUCT ALONG WITH GST(SGST+CGST) IN STATE MAHARASHTRA.

**FILES USED**

DATA FILES

* CGST.TXT
* SGST.TXT

PROGRAM FILE

* GOODS AND SERVICES TAX.CPP

EXECUTION FILE

* GOODS AND SERVICES TAX.EXE

**HEADER FILES USED**

* IOSTREAM
* FSTREAM.H
* STRING.H

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**ACKNOWLEDGEMENT**

From the deep of my heart, I would like to thank all to those persons who helped me a lot in my project. And they were –

* My computer science teacher, Mrs. Sonia Jain Mam who gave me full guidance.
* Our lab attendant, who helped me very much in experiments.
* My parents, who gave me full support.
* The internet

**PREPARATIOIN OF POTASH ALUM**

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**CERTIFICATE**

It is hereby certified that this computer science project is a genuine and original work. This project has been carried out completely, solely, sincerely and satisfactorily by ABHAY PORWAL of class 12th E, of school KENDRIYA VIDYALAYA TUGHLAKABAD, NEW DELHI.

TEACHER’S SIGN

CODING

#include<iostream>

#include<fstream>

#include<string.h>

using namespace std;

class item{

private:

int icode;

char iname[20];

float iprice;

public:

int number()

{

return icode;

}

char name()

{

cout<<iname;

}

float gst()

{

return iprice;

}

};

int main()

{

item m;

char ch[20],ch1='y';

fstream fil;

float ctotal=0,stotal=0,total=0,grandtotal=0,a,c,t;

int p;

cout<<"Please Verify Your Authenticity.\n";

cout<<"\nEnter Your Password:-\t";

cin.get(ch,20);

if(strcmp(ch,"12345")==0)

{

cout<<"\nWelcome To The New Era Of Tax In INDIA :) \n\n";

cout<<" \*Goods And Services Tax(G.S.T.)\*\n\n";

do

{

cout<<"\n\nEnter Item Code:- \t";

cin>>p;

fil.open("cgst.txt",ios::in);

/\*CGST:-Central Government Goods & Service Tax.

Collected by the Central Government on an intra-state sale.

(Eg: transaction happening within Maharashtra).\*/

while(fil.read((char\*)&m,sizeof(m)))

{

if(m.number()==p)

{

cout<<"\n\nEnter The Actual Price Of :-\t";

m.name();

cout<<":-\t";

cin>>t;

c=m.gst();

a=(c\*t)/100;

ctotal+=a;

break;

}

}

if(m.number()!=p)

{

cout<<"\n\n!! Item Not Found :( !!\n";

fil.close();

continue;

}

fil.close();

fil.open("sgst.txt",ios::in);

/\*SGST:-State Government Goods & Service Tax.

Collected by the State Government on an intra-state sale.

(Eg: transaction happening within Maharashtra).\*/

while(fil.read((char\*)&m,sizeof(m)))

{

if(m.number()==p)

{

c=m.gst();

a=(c\*t)/100;

stotal+=a;

}

}

fil.close();

total+=t;

cout<<"\n\nProduct Is Added To Your List.";

cout<<"\n\n\nWant To Add More Product In Your List.";

cout<<"\n\n\nPress Y; Otherwise Press Any Key To Quit:-\t";

cin>>ch1;

}while(ch1=='y'|ch1=='Y');

grandtotal=total+ctotal+stotal;

cout<<"\n\nTotal Charged Amount On Product(s):- "<<total;

cout<<"\n\nTax Paid Tto Central Government:- "<<ctotal;

cout<<"\n\nTax Paid To State Government:- "<<stotal;

cout<<"\n\nTotal Payable Amount Of Your Bill:- "<<grandtotal;

cout<<"\n\nThank You :) !! :) Please Visit Again :)\n\n\n";

}

else

{

cout<<"\nPlease Enter A Valid One.";

}

return 0;

}