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| Computer Programming |
| GPA Calculator |
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**Group Members:**

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**CODE…**

#include <iostream>.h>

#include <conio.h>

using namespace std;

int main()

{

clrscr();

int ns=0;

cout<<"Enter Number of subjects:";

cin>>ns;

int ch[50],tch=0;

char p1,p2;

float res[50],gpa,rest=0;

for (int i=0 ;i<=(ns-1);i++)

{

cout<<"Enter the grade of subject"<<i<<":";

cin>>p1>>p2;

cout<<"Enter the CH of subject"<<i<<":";

cin>>ch[i];

if (p1=='A'&&p2=='+')

res[i]=4\*ch[i];

else if (p1=='A'&&p2=='\*')

res[i]=3.7\*ch[i];

else if (p1=='B'&&p2=='+')

res[i]=3.3\*ch[i];

else if (p1=='B'&&p2=='\*')

res[i]=3\*ch[i];

else if (p1=='B'&&p2=='-')

res[i]=2.7\*ch[i];

else if (p1=='C'&&p2=='+')

res[i]=2.3\*ch[i];

else if (p1=='C'&&p2=='\*')

res[i]=2\*ch[i];

else if (p1=='C'&&p2=='-')

res[i]=1.7\*ch[i];

else if (p1=='D'&&p2=='\*')

res[i]=1\*ch[i];

else if (p1=='F'&&p2=='\*')

res[i]=0\*ch[i];

}

for (int j =0 ; j<=(ns-1);j++)

{

rest=rest+res[j];

tch=tch+ch[j];

}

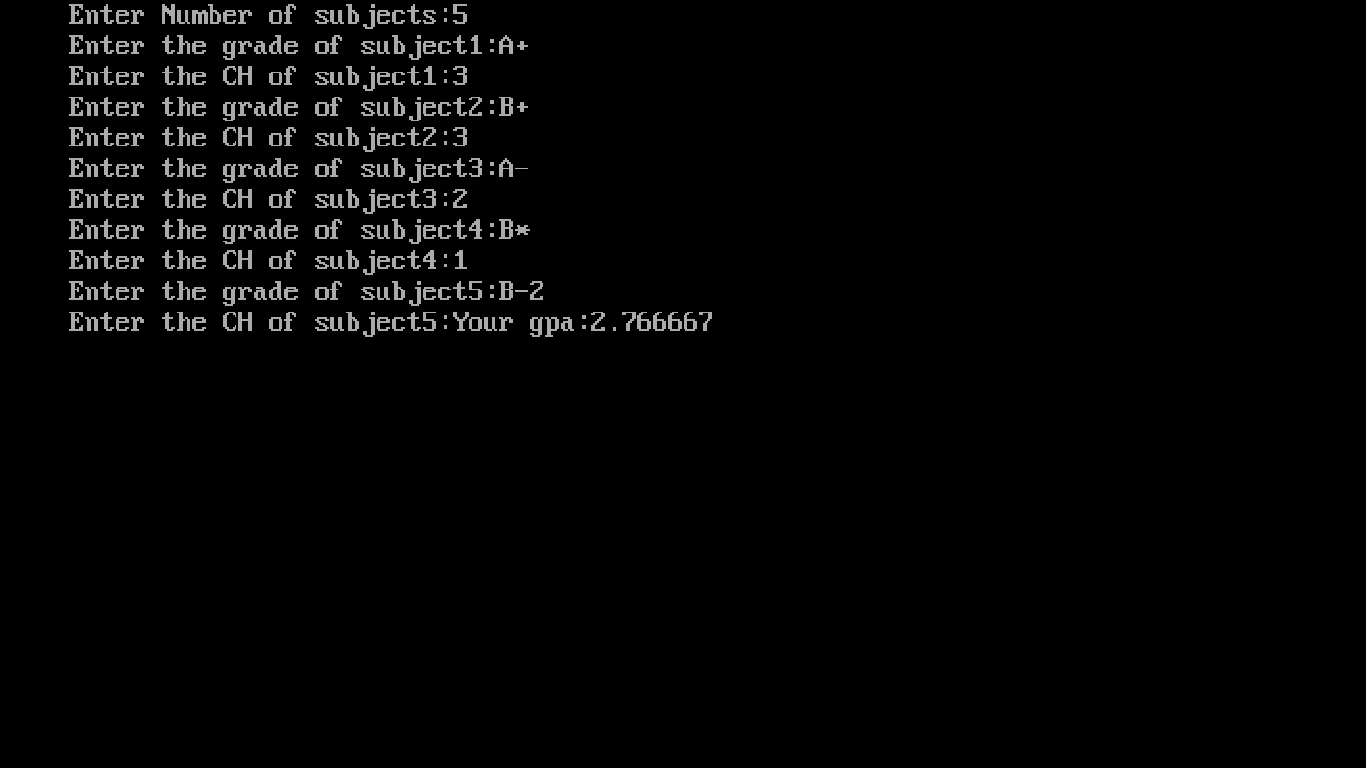
gpa=rest/tch;

cout<<"Your gpa:"<<gpa;

getch();

}

**Output is….**



**Applications**

* With the help of this program we can easily calculate the GPA of the desired subject.
* We can easily calculate the GPA of MULTIPLE subject by using this single program.
* It is less time consuming and calculate the GPA quickly