**Educ**

#include <iostream>

#include <stdio.h>

using namespace std;

#include <string.h>

int main()

{

int n;

while(scanf("%d",&n)!=EOF)

{

while(n--)

{

char str[100];

scanf("%s",str);

if(strcmp(str,"E")==0)

puts("Excellent");

else if(strcmp(str,"C")==0)

puts("Cheer");

else if(strcmp(str,"N")==0)

puts("Nice");

else if(strcmp(str,"U")==0)

puts("Ultimate");

else if(strcmp(str,"Impossible")==0)

printf("I'm possible\n");

else if(strcmp(str,"ACM")==0)

printf("Accept More\n");

}

}

cout << "Hello world!" << endl;

return 0;

}

**空瓶换酒**

#include <iostream>

#include <stdio.h>

using namespace std;

int main()

{

int e,f,c;

while(scanf("%d%d%d",&e,&f,&c)!=EOF)

{

int ans=0;

while(e+f>=c)

{

f+=e;

ans+=f/c;

e=f/c;

f=f%c;

}

printf("%d\n",ans);

}

cout << "Hello world!" << endl;

return 0;

}

**买粽子：**

#include <iostream>

#include <stdio.h>

using namespace std;

int main()

{

int n;

while(scanf("%d",&n)!=EOF)

{

while(n--)

{

int a,b;

scanf("%d%d",&a,&b);

int ans,song5=0,song3=0;

ans=a/b;

if(ans>=5)

song5+=(ans/5)\*2;

if(ans%5>=3)

song3+=(ans%5)/3;

printf("%d\n",ans+song3+song5);

}

}

cout << "Hello world!" << endl;

return 0;

}

**统计字符：**

#include <stdio.h>

#include <stdlib.h>

#include <string.h>

int main()

{

int n,i;

char str[10000];

int charNum,Num,other;

while(scanf("%d",&n)!=EOF)

{

getchar();

while(n--)

{

gets(str);

int len=strlen(str);

charNum=0;

Num=0;

other=0;

for(i=0;i<len;i++)

{

if(str[i]>='0'&&str[i]<='9')

Num++;

else if((str[i]>='a'&&str[i]<='z')||(str[i]>='A'&&str[i]<='Z'))

charNum++;

else other++;

}

printf("Num=%d,charNum=%d,other=%d\n",Num,charNum,other);

}

}

printf("Hello world!\n");

return 0;

}