**1**

**#include <stdio.h>**

**int main( )**

**{**

**int price, m, ticket;**

**double unit, sum;**

**scanf("%d%d%d",&price,&m,&ticket);**

**if(m==1||m==2||m>=7&&m<=10){**

**if(ticket>=20)**

**unit=price\*(1-0.15);**

**else**

**unit=price\*(1-0.05);**

**}**

**else if(m==3||m==4||m==11||m==12){**

**if(ticket>=20)**

**unit=price\*(1-0.3);**

**else**

**unit=price\*(1-0.2);**

**}**

**else**

**unit=price\*(1-0.2);**

**sum=unit\*ticket;**

**printf("%.2f %.2f\n",unit,sum);**

**return 0;**

**}**

**2**

**#include <stdio.h>**

**int main( )**

**{**

**int age,max;**

**scanf("%d",&age);**

**max=age;**

**while(age!=-1){**

**if(age>max)**

**max=age;**

**scanf("%d",&age);**

**}**

**printf("%d\n",max);**

**return 0;**

**}**

**3**

**#include <stdio.h>**

**void change(int \*a,int \*b)**

**{**

**int tmp;**

**tmp=\*a;**

**\*a=\*b;**

**\*b=tmp;**

**}**

**int main( )**

**{**

**int data,num[4],i;**

**scanf("%d",&data);**

**for(i=3;i>=0;i--){**

**num[i]=data%10;**

**data/=10;**

**num[i]=(num[i]+5)%10;**

**}**

**change(num,num+3);**

**change(num+1,num+2);**

**for(i=0;i<4;i++)**

**printf("%d",num[i]);**

**printf("\n");**

**return 0;**

**}**

**4**

**#include <stdio.h>**

**#include <stdlib.h>**

**int sum(int a)**

**{**

**int i,s=0;**

**for(i=1;i<=a/2;i++)**

**if(a%i==0)**

**s+=i;**

**return s;**

**}**

**int main( )**

**{**

**int a,b;**

**FILE \*fp;**

**if((fp=fopen("d:\\data.txt","w"))==NULL){**

**printf("open error\n");**

**exit(0);**

**}**

**for(a=1;a<=1000;a++){**

**b=sum(a);**

**if(a==sum(b)&&a!=b)**

**fprintf(fp,"%d %d\n",a,b);**

**}**

**return 0;**

**}**