73. #include<stdio.h>  
int main()  
{  
    int ni,ne,i=0;  
    float int\_p=18,ext\_p=12,cost=0,temp;  
    scanf("%d %d",&ni,&ne);  
    if(ni<0 || ne<0 )  
    {  
        printf("INVALID INPUT");  
    }  
    else if(ni==0 && ne==0)  
    {  
        printf("Total estimated Cost : 0.0");  
    }  
    else  
    {  
        for(i=0;i<ni;i++)  
        {  
            scanf("%f",&temp);  
            cost+= int\_p\*temp;  
        }  
        for(i=0;i<ne;i++)  
        {  
            scanf("%f",&temp);  
            cost+= ext\_p\*temp;  
        }  
        printf("Total estimated Cost : %.1f",cost);  
    }  
    return 0;  
}

74.#include <bits/stdc++.h>  
using namespace std;  
int main() {  
string s , d;  
 cin>>s>>d;  
 transform(s.begin(),s.end() , s.begin(),::toupper);  
 transform(d.begin(),d.end() , d.begin(),::toupper);  
 string arrs[8] = {"TH" , "GA", "IC" , "HA" , "TE", "LU" ,"NI","CA"};  
 float arr[8]={800,600,750,900,1400,1200,1100,1500};  
 float res=0;  
 int st ,ed;  
 for(int i=0;i<8;i++)  
 {  
     if(s==arrs[i])  
     st=i;  
       
     if(d==arrs[i])  
     ed=i;  
  }  
  if(st==ed)  
  {  
      cout<<" INVALID INPUT";  
      return 0;  
  }  
  else  
  {  
      int i=st+1;  
      cout<<i;  
        while(i!=ed+1)  
        {  
            res+=(arr[i]);  
            i=(i+1)%8;  
        }  
        cout<<(ceil)(res\*0.005);  
        return 0;  
 }  
}

75 #include <stdio.h>

int main()

{

int trainee[3][3];

int average[3] = {0};

int i, j, max=0;

for(i=0; i<3; i++)

{

for(j=0; j<3; j++)

{

scanf("%d",&trainee[i][j]);

if(trainee[i][j]<1 || trainee[i][j]>100)

{

trainee[i][j] = 0;

}

}

}

for(i=0; i<3; i++)

{

for(j=0; j<3; j++)

{

average[i] = average[i] + trainee[j][i];

}

average[i] = average[i] / 3;

}

for(i=0; i<3; i++) { if(average[i]>max)

{

max = average[i];

}

}

for(i=0; i<3; i++)

{

if(average[i]==max)

{

printf("Trainee Number : %d\n",i+1);

}

if(average[i]<70)

{

printf("Trainee is Unfit");

}

}

return 0;

}

Trainee1-89

89>0 max=89

Trainee2-90

90>89

Max=90

Trainee3=80

80>90

Max=90

76. #include<stdio.h>

int main()

{

int n=10, k=5;

int num;

scanf("%d",&num);

if(num>=1 && num<=5)

{

printf("NUMBER OF CANDIES SOLD : %d\n",num);

printf("NUMBER OF CANDIES LEFT : %d",n-num);

}

else

{

printf("INVALID INPUT\n");

printf("NUMBER OF CANDIES LEFT : %d",n);

}

return 0;

}

77. #include<stdio.h>

void calculateTime(int n)

{

if(n==0)

printf("Time Estimated : 0 Minutes");

else if(n>0 && n<=2000)

printf("Time Estimated : 25 Minutes");

else if(n>2000 && n<=4000)

printf("Time Estimated : 35 Minutes");

else if(n>4000 && n<=7000)

printf("Time Estimated : 45 Minutes");

else

printf("INVALID INPUT");

}

int main()

{

int machineWeight;

scanf("%d",&machineWeight);

calculateTime(machineWeight);

return 0;

}

Machineweight=9000

N=9000

Invalid input

Time Estimated : 35 Minutes

78. #include <stdio.h>  
int main()  
{  
    char str[100];  
    int key, i=0, left;  
    printf("Enter your plain text : ");  
    scanf("%[^\n]s",str);  
    printf("Enter the key : ");  
    scanf("%d",&key);  
    if(key==0)  
    {  
        printf("INVALID INPUT");  
    }  
    else  
    {  
        while(str[i]!='\0')  
        {  
            //printf("%d\n", str[i]);  
            if(str[i]>=48 && str[i]<=57)  
            {  
                if(str[i]+key<=57) 12345 45678  
                {  
                    str[i] = str[i] + key;  
                }  
                else  
                {  
                    left = (str[i] + key) - 57;  
                    str[i] = 47 + left;  
                }     
            }  
            else if(str[i]>=65 && str[i]<=90)  
            {  
                if(str[i]+key<=90)  
                {  
                    str[i] = str[i] + key;  
                }  
                else  
                {  
                    left = (str[i] + key) - 90;  
                    str[i] = 64 + left;  
                }    
            }  
            else if(str[i]>=97 && str[i]<=122)  
            {  
                if(str[i]+key<=122)  
                {  
                    str[i] = str[i] + key;  
                }  
                else  
                {  
                    left = (str[i] + key) - 122;  
                    str[i] = 96 + left;  
                }   
            }  
            i++;  
        }  
        printf("The encrypted text is : %s",str);  
   }  
   return 0;  
}

79. include<stdio.h>

#include<string.h>

int main(){

char str[16][10] = {"break", "case", "continue", "default", "defer", "else","for",

"func", "goto", "if", "map", "range", "return", "struct", "type", "var"};

char input[20];

int flag = 0;

scanf("%s",input);

for(int i = 0; i<16;i++){

if(strcmp(input,str[i]) == 0){

flag = 1;

break;

}

}

if(flag==1){

printf("%s is a keyword",input);

}

else{

printf("%s is not a keyword",input);

}

return 0;

}