

问题 A:

```
#include<bits/stdc++.h>
using namespace std;

int main() {
    double A,B,C;
    scanf("%lf%lf%lf",&A,&B,&C);
    printf("interest = %.2lf",A*pow(1+C,B)-A);
}
```

问题 B

```
#include<stdio.h>
#include<math.h>
int main()
{
    double a,s;
    char c;
    scanf("%c,%lf",&c,&a);
    if(c=='A' || c=='a') s=812;
    else if(c=='B' || c=='b') s=879;
    else if(c=='C' || c=='c') s=735;
    else if(c=='D' || c=='d') s=649;
    else
    {
        printf("Error!");
        return 0;
    }
    if(s*a>=899) s=s*a-50;
    else if(s*a>=599) s=s*a-30;
    printf("%.2lf",s);
    return 0;
}
```

问题 C

```
#include <stdio.h>
#include <math.h>

int main() {
    int t;
    char c;
    int n = 0;
```

```

scanf("%d", &t);
while (t--) {
    scanf(" %c %d", &c,&n);
    int e = 1;
    for (int i = 0; i>=0;i+=e) {
        for (int j = 0; j < n - 1 - i; j++) {
            printf(" ");
        }
        for (int j = 0; j < n + 2 * i; j++) {
            printf("%c", c);
        }
        printf("\n");
        if (i==n-1) e=-1;
    }
    printf("\n");
}
return 0;
}

```

问题 D:

```

#include <stdio.h>
#include <stdlib.h>

int main()
{
    int t,n;
    char ch;
    scanf("%d\n",&t);
    while(t--)
    {
        scanf("%d\n",&n);
        while((ch=getchar())!='\n')
        {
            if(ch>='A' && ch<='Z')
            {
                ch='Z'-( 'Z'-ch+n+26)%26;
                printf("%c",ch);
            }
            else if(ch>='a' && ch<='z')
            {
                ch='a'+(ch-'a'+n+26)%26;
                printf("%c",ch);
            }
        }
    }
}

```

```

        else if(ch>='0' && ch<='9')
        {
            ch=(ch-'0'+n)%10;
            printf("%d", ch);
        }
        else
            printf("%c", ch);
    }
    printf("\n");
}
return 0;
}

```

问题 E:

```

#include<stdio.h>

int main()
{
    int T, judge1, judge2, judge3, judge4, k;
    char c;
    scanf("%d\n", &T);
    while(T--) {
        judge1=0; //前导
        judge2=0; //点出现的次数
        k=0; //
        judge3=1; //是否非法地址
        judge4=0; //是否已输入数字
        while(1) {
            scanf("%c", &c);
            if(c>'0' && c<='9') {
                if(judge1==1) {
                    judge3=0;
                }
                k=k*10+c-48;
                judge4=1;
            }
            else if(c=='0') {
                if(judge1==1)
                    judge3=0;
                judge1=1;
                judge4=1;
            }
            else if(c=='.'') {

```

```

        if (judge2==3 || judge4==0 || k<0 || k>255) {
            judge3=0;
        }
        judge1=0;
        k=0;
        judge2++;
        judge4=0;
    }
    else if (c=='\n') {
        if (judge2!=3 || k<0 || k>255) {
            judge3=0;
        }
        if (judge3==1)
            printf("yes\n");
        else
            printf("no\n");
        break;
    }
    else {
        judge3=0;
    }
}
}
}

```

问题 F:

```

#include <stdio.h>

int main() {
    int a1, a2, a3, a4, a5;
    while (scanf("%d %d %d %d %d", &a1, &a2, &a3, &a4, &a5) != EOF) {
        int count = 0;
        int a, b, c, d;
        int temp1, temp2;
        for (int i = 0; i < 4; i++) {
            a = a1;
            if (i == 0)
                b = a2;
            else if (i == 1)
                b = -a2;
            else if (i == 2) {
                b = a1 * a2;
                a = 0;
            }
        }
    }
}

```

```

    }
    else if (i == 3) {
        b = a1 / a2;
        a = 0;
    }
    temp1 = b;
    for (int j = 0; j < 4; j ++){
        b = temp1;
        if (j == 0)
            c = a3;
        else if (j == 1)
            c = -a3;
        else if (j == 2) {
            c = b * a3;
            b = 0;
        }
        else if (j == 3) {
            c = b / a3;
            b = 0;
        }
        temp2 = c;
        for (int k = 0; k < 4; k ++){
            c = temp2;
            if (k == 0)
                d = a4;
            else if (k == 1)
                d = -a4;
            else if (k == 2) {
                d = c * a4;
                c = 0;
            }
            else if (k == 3) {
                d = c / a4;
                c = 0;
            }
            if (a+b+c+d == a5)
                count ++;
        }
    }
    printf("%d\n", count);
}
return 0;
}

```