

Quiz 5

一、 读程序写结果

1. main()

```
{
    int a[8]={1,0,1,0,1,0,1,0},i;
    for(i=2;i<8;i++)
        a[i]+= a[i-1] + a[i-2];
    for(i=0;i<8;i++)
        printf("%5d",a[i]);
}
```

2. main()

```
{
    float b[6]={1.1,2.2,3.3,4.4,5.5,6.6},t;
    int i;
    t=b[0];
    for(i=0;i<5;i++)
        b[i]=b[i+1];
    b[5]=t;
    for(i=0;i<6;i++)
        printf("%.2f",b[i]);
}
```

3. main()

```
{    int p[7]={11,13,14,15,16,17,18},i=0,k=0;
    while(i<7 && p[i]%2)
        { k=k+p[i]; i++;}
    printf("k=%d\n",k);
}
```

4. main()

```
{    int a[3][3]={1,3,5,7,9,11,13,15,17};
    int sum=0,i,j;
    for (i=0;i<3;i++)
        for (j=0;j<3;j++)
            { a[i][j]=i+j;
              if (i==j)
                  sum=sum+a[i][j];
            }
    printf("sum=%d",sum);
}
```

5. main()

```
{    int a[4][4],i,j,k;
    for (i=0;i<4;i++)
        for (j=0;j<4;j++)
            a[i][j]=i-j;
    for (i=0;i<4;i++)
        { for (j=0;j<=i;j++)
            printf("%4d",a[i][j]);
          printf("\n");
        }
}
```

6. main()

```
{ int i,s;
    char s1[100],s2[100];
    printf("input string1:\n"); gets(s1);
    printf("input string2:\n"); gets(s2);
    i=0;
    while ((s1[i]==s2[i])&&(s1[i]!='\0'))
        i++;
    if ((s1[i]=='\0')&&(s2[i]=='\0')) s=0;
    else s=s1[i]-s2[i];
    printf("%d\n",s);
}
```

输入数据 aid
 and

7. **void main()**

```
{  
    char ch[3][5]={ "AAAA","BBB","CC"};  
    printf("\n%s\n",ch[1]);  
}
```

8.

void main()

```
{  
    char str[10][80],c[80];  
    int i;  
    for(i=0;i<10;i++)  
        gets(str[i]);  
    strcpy(c,str[0]);  
    for(i=1;i<10;i++)  
        if(strlen(c)<strlen(str[i]))  
            strcpy(c,str[i]);  
    puts(c);  
}
```