```
I. Choose The Right Answer
  1. Which of following is an illegal user-define symbol? A. A. Const B) 2g3 C) COM D) vars
  2. Assuming all variables are integers, the value of the expression (a = 3, b = 5, a + b +++, a += b)
                                                             避耗大:从左列知道,每回值是最下了数式之道。
                   C) 6
                           D) 3
                                                              calculate a=3
          B) 9
  3. Which one is equivalent to the following code block? A.
                                                              calculate b=S
    while (a) {
                                                              calculate a+b++
                                                                                    a=3 b= b.
        if(b) continue;
                                                                                    a=9 b= b.
                                                              calculate at=b.
                 绿绮循环,升始下-乾循环:
                                                               return value: 9.
  A) while (a)
                                           B) while (c)
                                             { if (!b) break; c;}
     { if (!b) c;}
                                           D) while (a)
 C) while (c)
                                              { if (b) break; c;}
     { if (b) c;}
 4. According to the precedence of operation, which one is the right order in descending sort. <u>B.</u>
 A) Arithmetic Operations, Assignment Operations, Relational Operations
 B) Arithmetic Operations, Relational Operations, Assignment Operations
 C) Relational Operations, Assignment Operations, Arithmetic Operations
 D) Relational Operations, Arithmetic Operations, Assignment Operations
 p.s. Arthmetic operations > shift operation > Relational operations > Bits operations > Logical operations
                                                                     > Assignment operations
 5. Choose the wrong definition for the character strings. A
 A) char str[\[ \] = \[ \] \] = \[ \] \] char str[] = \[ \] \] char str[] = \[ \] \]
                                   D) char str[]={ 'Q', 'U', 'S', 'T', '\0'};
 C) char *str= "QUST";
     " BUST" is a string constant!
 6. Determine the output of the following program. B.
                                         ogram. 1.

4frcmp(S1.S2). if (S1>S2). naturn a positive number

if (S1<S2). naturn a negative number

if (S1=S2). naturn zero.

S1+=2 => +S1 points to the third char in "Ab DeG"
   #include<stdio.h>
   #include<string.h>
   int main() {
       char *s1="AbDeG
       char *s2="AbdEg";
       s1+=2; s2+=2;
                                                  since "DoG" < "ol Eg", strenp (51.52) noture a negative number
       printf("%d\n", strcmp(s1, s2));
                                                             D)It depends.
                                                  C)zero
                        B) a negative number
A) a positive number
7. Determine the output of the following program. <u>C.</u>
  #include<stdio.h>
                                                   note: if a and b are indegeter.
then \geq/3=0.
  int main(){
       int a[6][6],i,j;
      for(i=1;i<6;i++)
                                                    if is => i/i=0
ie; => i/j=0
           for(j=1;j<6;j++)
               a[i][j]=(i/j)*(j/i);
      for(i=1;i<6;i++){
           for(j=1;j<6;j++)
                                                       词 的 治言法言.
               printf("%2d",a[i][j]);
           printf("\n");
```

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8.47:.双花楼
       return 0;
   }
                                         D) 10001
                            C) 10000
 A) 11111
              B) 00001
                                            01010
                              01000
    11111
                 00010
                                            00100
                               00100
    11111
                 00100
                                            01010
                 01000
                              00010
    11111
                 10000
                              00001
                                            10001
    11111
 8. Determine the output of the following program which is about Tower of Hanoi.
   #include<stdio.h>
   void move(char getone, char putone) {
       printf("%c-->%c\n",getone,putone);
   void hanoi(int n,char one,char two,char three){
       if(n==1) move(one,three);
                                   4- 0 havei (3. A.B.C)
       else{
          hanoi(n-1, one, three, two);
          move(one,three);
                                                                move (B.A)
          hanoi (n-1, two, one, three); @ hanoi (z. A. c. B)
       }
  }
                                       3 hanoi (1. A.B.C).
   int main() {
      hanoi(3,'A','B','C');
      return 0;
                                  D)A-->C
            B)A-->C
                       C)A-->C
A)A-->C
                                   A-->B
                        A-->B
  A-->B
             A-->B
                                   C-->B
             C-->A
                        C-->B
  C-->B
                                   A-->C
             A-->B
                        A-->C
  B-->A
                                   A-->B
                        B-->A
             B-->C
  C-->B
                                   B-->C
                        B-->C
             A-->C
  A-->C
                        A-->C
                                   A-->C
  A-->B
             A-->B
                                          @ henoi (1, C-A-B) -
9. Determine the output of the following program which runs on the 32-bit machine. D.
  #include<stdio.h>
  int main(){
      typedef struct{
          char name[10];
          int id;
          float weight;
      }student;
      printf("%d", sizeof(student));
      return 0;
  }
                            D)20
                  C)18
        B)16
A)14
10. As defined below, the value of b is <u>D</u>.
 int a[10]={1,2,3,4,5,6,7,8,9,10},*p=&a[3],b=p[5];
                      †B) 6
A) 5
                                                                           2/4
```

II. Fill In The Blank

1. Given the following declarations, int x=3,y=2; float a=2.5,b=3.5; then the value of the expression (x+y)%2+(int)a/(int)b is _ [_ .

2. This program below aims to output the number of the lowercase letter, so fill in the blank and make sure it will work. $c!=\sqrt{n}$ or $c!=\sqrt{n}$

```
int n=0,c;
c=getchar();
while(___) {
if(c>='a'&&c<='b') n++;
c=getchar();
}</pre>
```

3. Determine the value of x when a=1,b=3,c=5,d=4.

```
if(a<b)

if(c<d) x=1;

else

if(a<c)

if(b<d) x=2;

else x=3;

else x=6;

else x=3;
```

4. Show the output of the following program. 7.

```
5=1
                                            K=7.
 #include <stdio.h>
 int main() {
                                            k= 6.
     int s=0, k;
                                            ¥۶5.
                                                    5=3
     for (k=7; k>=0; k--) {
        switch(k){
                                            6=3
             case 1:
             case 4:
             case 7: s++; break;
             case 2:
             case 3:
             case 6: break;
             case 0:
             case 5: s+=2; break;
                                注、101′星十分,其中0部、油料整公务、101°对应3分为(01)8、扩充的一般而言八进制整公务、对应3个约的、如1072′但题目中8个温八进制数、 数写改作101°作为一个分别、数5: 立 201 是 上 C′-7下列的表
        }
    printf("%d",s);
    return 0;
}
```

```
char *s="\ta\018bc";
for(;*s!='\0';s++);
```

6. If you would like to append something after the binary file by fopen function, which mode can you choose? <u>a+</u> 小花 模式 打-74年的,可以对于14年的。

then the result of the statement printf("%d",s[0].x*s[1].x) is \rightarrow .

Write a program that prints out the number of words in a sentence. A gap is defined as one or more spaces in a row, so a sequence of spaces counts as just one gap. Anything other than a space is considered to be part of a word. Here is a simple example as below:

Input: Good morning!

Output:2

Given a incomplete program below, you can choose to fill in the blank to make it work.

Or you can write your answer but don't forget to comment out for your code.

include c stolin. h)

#define N 1024

int main() {

char sentence[N];

int i, count=0, word=0;

char c;

qets (sentence);

for (i=0; (c-sentence);

if (c==' ')

word=0;

else if (word==0) {

word=0;

count+1;

count+1;

for charge word to any non-zero integer)

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

return 0;