```
1) 1)34 2)-4 3)13
  2) 11
   3) 109876678910
  4) 6
  5) 6
   6) 'u'
   7) 2
  8) Line 19
  9) DesignProgram
  10) B
   11) D
   12) C
   13) A
   14)
//solution 1:
swap(w[0], w[2]);
swap(w[1], w[2]);
//solution 2:
swap(w[1], w[2]);
swap(w[0], w[1]);
   15)
      void split_time(int total_sec, int *hr, int *min, int *sec){
        *hr = total sec / 3600;
        *min = total_sec % 3600 / 60;
```

```
*sec = total sec % 3600 % 60;
    }
16)
void replace(char *str, char x, char y) {
        char *p;
        for (p = str; *p!=' \0'; p++)
                if(*p == x)
                     *p = y;
}
17)
        void edge(int n, int *a1, int *a2) {
                 int *p, *q=a2;
                 *q++=0;
                 for (p = a+1; p < a+n; p++, q++)
                          if(*p==*(p-1))
                                   *q=0;
                          else
                                   *q=1;
         }
18)
   void get extension(char *file name, char *extension) {
     char *p;
     for (p= file_name; *p!= '\0'; p++)
              if(*p == '.')
                       break;
         if(*p!= '\0'){
```

```
for(p=p+1;*p!='\0'; p++)
                *extension++ = *p;
       }
       *extension = '\0';
     }
19)
     int is_all_uppercase(char str[]) {
       int flag = 1;
       int n = strlen(str);
       for(int i=0; i < n; i++) {
         if(islower(str[i])) {
          flag = 0;
           break;
         }
       }
       return flag;
     }
     //pointer version
     int is all uppercase(char str[]) {
       int flag = 1;
       char *p;
       for(p =str; *p !='\0'; p++) {
         if(islower(*p)) {
           flag = 0;
           break;
         }
       }
```