



```
1  /*****
2  /*  Name: Examen Janvier 2005
3  /*  Auteur: PAGART IGOR
4  /*  Date: 10/02/2005
5  /*  Description: Code C correspondant a l'algo Q5
6  /*
7  /*****
8
9
10 #include <stdio.h>
11 #include <stdlib.h>
12 #include <time.h>
13
14 int main()
15 {
16     int menu;
17     char buffer[10];
18
19     int V[100],V2[100],i;
20     srand(time(0));
21
22     do{
23         printf("Menu (1-4):");
24         fgets(buffer, sizeof buffer, stdin);
25         sscanf(buffer, "%d",&menu);
26         switch(menu)
27         {
28             case 1:
29                 for(i=0;i<100;i++)
30                 {
31                     V[i] = 1+rand()%100;
32                 }
33                 break;
34
35             case 2:
36                 for(i=0;i<100;i++)
37                 {
38                     V2[i*2] = V[i];
39                     V2[i*2+1] = V[i];
40                 }
41                 break;
42
43             case 3:
44                 for(i=0;i<100;i++)
45                 {
46                     printf("V2[%d] = %d\n",i,V2[i]);
47                 }
48                 break;
49         }
50     }while(menu != 4);
51
52     system("PAUSE");
53     return 0;
54 }
55
```