

12_option

1X22B138 12_option

2025/11/12

32bit環境で実行

実行結果

volatile

```
#include <stdio.h>
#include <time.h>
int main(){
    clock_t start, end;
    unsigned int port;

    volatile char stra[]="waseda";
    //char stra[]="waseda";
    char strb[5];

    start = clock();
    printf("start:%d\n", start);

    strb[0]='U';
    strb[1]='N';
    strb[2]='I';
    strb[3]='V';
    strb[4]='\n';

    printf("stra:%8s\n", stra);
    printf("strb:%8s\n", strb);

    end = clock();
    printf("end:%ld\n\n", end);
    printf("time=%ld[cpu],%3lf[s]\n", end-start, (double)(end-
start)/CLOCKS_PER_SEC);
    return 0;
}
```

実行

```
masuda@DESKTOP-J0V4TPA:~/work/C_intermediate/src$ ./kadai12
start:615
stra waseda
strbUNIV
waseda
```

```
0000:667
```

```
0000=52[cpu00],0.000052[s]
```

```
000000
```

```
volatile00
```

```
#include <stdio.h>
#include <time.h>
int main(){
    clock_t start, end;
    unsigned int port;

    //volatile char stra[]="waseda";
    char stra[]="waseda";
    char strb[5];

    start = clock();
    printf("0000:%d\n",start);

    strb[0]='U';
    strb[1]='N';
    strb[2]='I';
    strb[3]='V';
    strb[4]='\n';

    printf("0000stra%8s00\n",stra);
    printf("0000strb%8s00\n",strb);

    end = clock();
    printf("0000:%ld\n\n",end);
    printf("0000=%ld[cpu00],%3lf[s]\n",end-start,(double)(end-
start)/CLOCKS_PER_SEC);
    return 0;
}
```

```
00
```

```
masuda@DESKTOP-J0V4TPA:~/work/C_intermediate/src$ ./kadai12
0000:703
0000stra  waseda00
0000strbUNIV
waseda00
0000:745

0000=42[cpu00],0.000042[s]
```