

□□12_option

1X22B138

2025/11/12

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Six empty rectangular boxes arranged horizontally, intended for handwritten responses.

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

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```
masuda@DESKTOP-JOV4TPA:~/work/C_intermediate/src$ ./kadai12
HTTP:615
HTTPstrawasedaHTTP
HTTPstrbUNIV
wasedaHTTP
```

🕒:667

🕒=52[cpu], 0.000052[s]

🕒

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

🕒

```
masuda@DESKTOP-JOV4TPA:~/work/C_intermediate/src$ ./kadai12
🕒:703
🕒stra  waseda
🕒strbUNIV
waseda
🕒:745
```

🕒=42[cpu], 0.000042[s]