```c
#include <stdio.h>
#include <stdlib.h>
#include <time.h>
#define ARSIZE 5000
int main() {
    int a[ARSIZE];
    clock_t start,end;


    for(int i=0;i<ARSIZE;i++)
        a[i]=rand();



    int s=0,min;
    start=clock();
    for(int i=0;i<ARSIZE;i++) {
        min=32767;
        for(int j=i;j<ARSIZE;j++) {
            if(a[j]<=min) {
                min=a[j];
                s=j;
            }
            else
                continue;
        }
        int temp=a[i];
        a[i]=min;
        a[s]=temp;
    }
    end=clock();

    printf("Time is %f", (((double)end-start))/CLOCKS_PER_SEC);
}
```

```
Windows PowerShell
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Try the new cross-platform PowerShell https://aka.ms/pscore6

PS C:\Users\PUNEETH K\OneDrive\Desktop\ADA> cd "c:\Users\PUNEETH K\OneDrive\Desktop\ADA\" ; if ($?) { gcc selection.c -o selection
Time is 0.040000
PS C:\Users\PUNEETH K\OneDrive\Desktop\ADA>
```

PROBLEMS   OUTPUT   DEBUG CONSOLE   **TERMINAL**   1: Code

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Time is 0.055000
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1: Code

```
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```