

```
1 #include <stdio.h>
2 int main(int argc, char const *argv[])
3 {
4     int a = 40;
5     printf("%d", a);
6     return 0;
7 }
8
```

```
1 #include <stdio.h>
2 int main(int argc, char const *argv[])
3 {
4     int a = 40;
5     printf("%d", a);
6     return 0;
7 }
```

[Running] cd "e:\A.I\" && gcc task1.c -o task1 && "e:\A.I\"task1
40
[Done] exited with code=0 in 0.775 seconds

Python devs when people
start talking about pointers
and memory allocation

fb.me/objcmemes

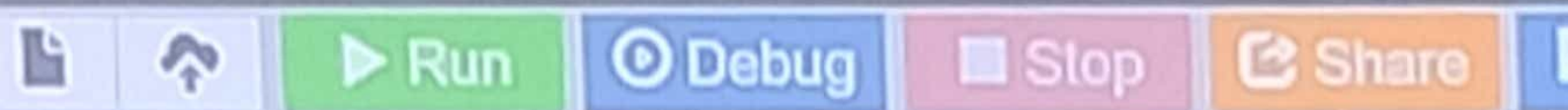


(confused unga bunga)

main.c

```
1 #include <stdio.h>
2 int main(int argc, char const *argv[])
3 {
4     int a;
5     printf("Take an integer!\n");
6     scanf("%d", &a);
7     printf("%d", a);
8     return 0;
9 }
```

```
1  #include <stdio.h>
2  int main(int argc, char const *argv[])
3  {
4      int a;
5      printf("Take an integer!\n");
6      scanf("%d", &a);
7      printf("%d\n", a);
8      printf("%p\n", &a);
9      return 0;
```



main.c

```
1
4     int a;
5     char s;
6     printf("Enter a character\n");
7     scanf("%c", &s);
8     // printf("\n");
9     // printf("%d", a);
10    printf("%c", s);
11    return 0;
12 }
```

forever

say

hello, world

```
while  
{
```

```
printf(
```


C (gcc 9.3, C17 + GNU extensions)
([known limitations](#))

```
1 #include <stdio.h>
2 int main()
3 {
4     int a[5];
5     for(int i = 0; i < 5; i++) {
6         int temp;
7         printf("Enter the number %d\n", i+1);
8         scanf("%d",&temp);
9         a[i] = temp;
10        printf("Checking the value %d\n", a[i]);
11    }
12    return 0;
13 }
```

[Edit this code](#)

Print output (drag lower right corner to

Stack

main

array					
	0	1	2	3	4
a	int	int	int	int	int
	?	?	?	?	?

C (gcc 9.3, C17 + GNU extensions)
(known limitations)

```

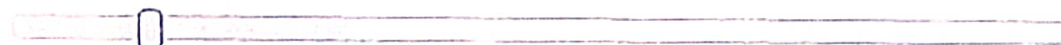
1 #include <stdio.h>
2 int main()
3 {
4     int a[3][3] = {{0,1,1},{1,0,1},{1,1,0}};
5     for(int i = 0; i < 3; i++) {
6         for(int j = 0; j < 3; j++) {
7             printf("%d ", a[i][j]);
8         }
9         printf("\n");
10    }
11    return 0;
12 }

```

[Edit this code](#)

⇒ line that just executed

➔ next line to execute



<< First < Prev Next > Last >>

Print output (drag lower right corner to expand)

Stack

Heap

main

array

0,0	0,1	0,2
int	int	int
0	1	1
1,0	1,1	1,2
int	int	int
1	0	1
2,0	2,1	2,2
int	int	int
1	1	0

a

int

i

0

int

j

?