

Computer programing assignment

Ayan Polra

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1 Swap two values

```
#include <stdio.h>

int main()
int a, b, temp;

printf("Enter first number (a): ");

scanf("%d", &a);

printf("Enter second number (b): ");

scanf("%d", &b);

temp = a;
a = b;
b = temp;


printf("After swapping:\n");

printf("a = %d\n", a);

printf("b = %d\n", b);

return 0;
```

2 Output



The image shows a Windows terminal window with a dark background. The title bar at the top includes standard window controls and a search icon. Below the title bar, there are tabs for 'CHAT' and 'TERMINAL', with 'TERMINAL' being the active tab. The terminal content shows a PowerShell prompt at 'C:\Users\admin>' where the user has navigated to 'C:\Users\admin\AppData\Local\Temp\' and compiled a C file named 'tempCodeRunnerFile.c' into 'tempCodeRunnerFile'. The program then prompts for two numbers: 'Enter first number (a): 5' and 'Enter second number (b): 19'. It then displays the output 'After swapping: a = 19 b = 5'. The prompt returns to 'PS C:\Users\admin\AppData\Local\Temp>'.

```
PS C:\Users\admin> cd "C:\Users\admin\AppData\Local\Temp\"
; if ($?) { gcc tempCodeRunnerFile.c -o tempCodeRunnerFile }
; if ($?) { .\tempCodeRunnerFile }
Enter first number (a): 5
Enter second number (b): 19
After swapping:
a = 19
b = 5
PS C:\Users\admin\AppData\Local\Temp>
```

Figure 1: