



File Edit Selection View Go Run ... DATA STRUCTURE AND ALGORITHM

EXPLORER

- DATA STRUCTURE AND ALGORITHM
  - .vscode
  - Ds Lab
    - lab4
    - lab5
      - l1p1.c
      - l1p2.c
      - l1p2.exe
      - l1p3.c
      - l1p4.c
      - l1p5.c
      - l1p6.c
      - l1p6.exe
      - l2p1.c
      - l2p1.exe
      - l2p2.c
      - l2p2.exe
      - l2p3.c
      - l2p3.exe
      - l2p4.c
      - l2p4.exe
      - l2p5.c
      - l2p5.exe
      - l3p1.c
      - l3o2.c

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL

```
PS D:\DATA STRUCTURE AND ALGORITHM\Ds Lab> cd "d:\DATA STRUCTURE AND ALGORITHM\Ds Lab\" ; if ($?) { gcc l1p2.  
c -o l1p2 } ; if ($?) { .\l1p2 }  
How many students do you want to enter?2  
Enter name of student : jay  
Enter id of jay : 101  
Enter marks 0: 90  
Enter marks 1: 80  
Enter marks 2: 90  
Enter marks 3: 80  
Enter marks 4: 70  
Enter name of student : ram  
Enter id of ram : 102  
Enter marks 0: 100  
Enter marks 1: 90  
Enter marks 2: 80  
Enter marks 3: 70  
Enter marks 4: 60  
  
Name : jay      Id : 101      Marks : 90.00 80.00 90.00 80.00 70.00      Total : 410.00      Percentage : 82.00  
Name : ram      Id : 102      Marks : 100.00 90.00 80.00 70.00 60.00      Total : 400.00      Percentage : 80.00  
PS D:\DATA STRUCTURE AND ALGORITHM\Ds Lab>
```

Ln 26, Col 2 Spaces: 4 UTF-8 CRLF {} C Go Live

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  - l1p2.c U
  - l1p2.exe U
  - l1p3.c U
  - l1p3.exe U
  - l1p4.c U
  - l1p5.c U
  - l1p6.c U
  - l1p6.exe U
  - l2p1.c U
  - l2p1.exe U
  - l2p2.c U
  - l2p2.exe U
  - l2p3.c U
  - l2p3.exe U
  - l2p4.c U
  - l2p4.exe U
  - l2p5.c U

Ds Lab > C l1p3.c > main()

```
1 #include <stdio.h>
2
3 int main() {
4     int number;
5     int *p;
6     int **p2;
7
8     printf("Enter the number");
9     scanf("%d",&number);
10
11     p=&number;
12     p2=&p;
13
14     printf("Address of number: %p\n", &number);
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL

Code + - [ ] [ ] ... ^ X

PS D:\DATA STRUCTURE AND ALGORITHM> cd "d:\DATA STRUCTURE AND ALGORITHM\Ds Lab\" ; if (\$?) { gcc l1p3.c -o l1p3 } ; if (\$?) { .\l1p3 }

Enter the number3

Address of number: 000000f16cbffcd4

Value of num: 3

Address of \*p: 000000f16cbffcc8

Value of \*p: 000000f16cbffcd4

Address of \*\*p: 000000f16cbffcc8

Value of \*\*p: 000000f16cbffcd4

PS D:\DATA STRUCTURE AND ALGORITHM\Ds Lab>





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      - l1p6.c
      - l1p6.exe
      - l2p1.c
      - l2p1.exe
      - l2p2.c
      - l2p2.exe
      - l2p3.c
      - l2p3.exe
      - l2p4.c
      - l2p4.exe
      - l2p5.c
      - l2p5.exe
      - l3p1.c
      - l3p2.c
      - l3o3.c

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL

```
PS D:\DATA STRUCTURE AND ALGORITHM> cd "d:\DATA STRUCTURE AND ALGORITHM\Ds Lab\" ; if ($?) { gcc l1p6.c
-o l1p6 } ; if ($?) { .\l1p6 }
Enter a and b : 10
20
--Pass by value--
a=10 - b=20
[Inside function]Swap
a=20 - b=10

Swap
a=10 - b=20

--Pass by reference--
a=10 - b=20
[Inside function]Swap
a=20 - b=10

Swap
a=20 - b=10
PS D:\DATA STRUCTURE AND ALGORITHM\Ds Lab>
```

Ln 5, Col 15 Spaces: 4 UTF-8 CRLF {} C Go Live

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