

programming language(C)

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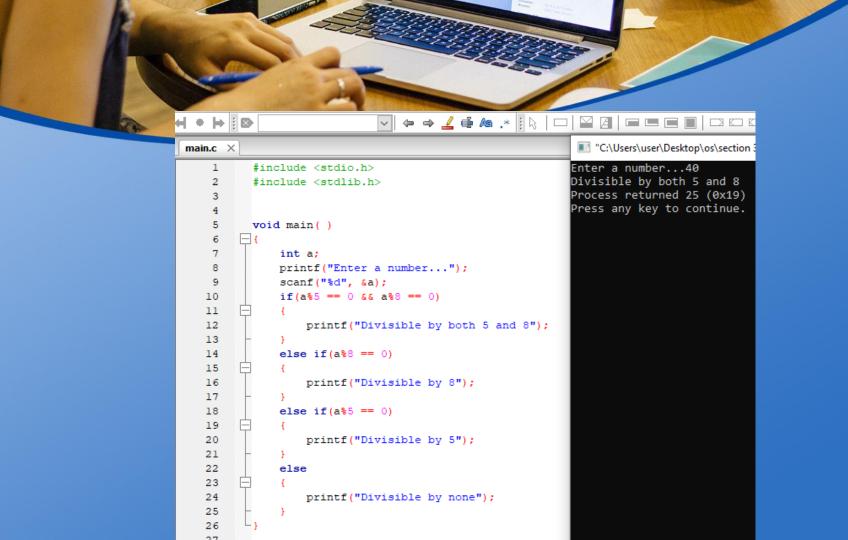
Decision Making If-else Switch if-else if-else if Nested if if switch(expression) if(condition) if(condition) if(condition 1) if(condition 1) case 1: break; //true //true //true if(condition) else else if(condition 2) case 2: break; else //false //true case 3: break; } else default; else if(condition) else DG

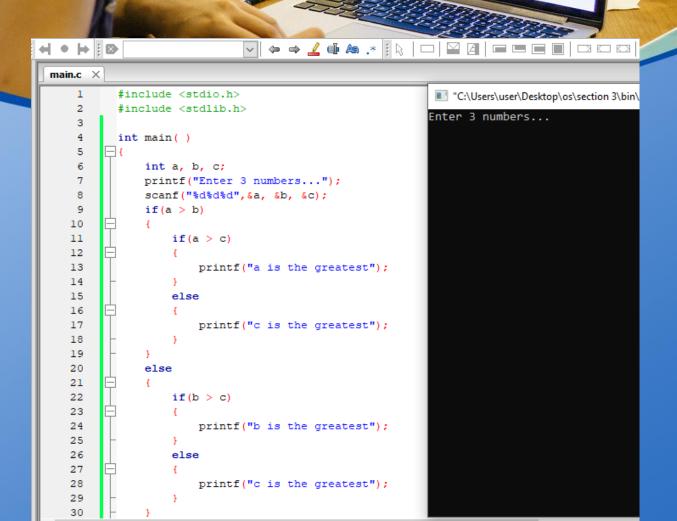


main.c X #include <stdio.h> #include <stdlib.h> "C:\Users\user\Desktop\os\section 3 int main() is greater than y Process returned 0 (0x0) int x, y; Press any key to continue. x = 15;y = 13;if (x > y)10 11 printf("x is greater than y"); 12 13 return 0; 14 15

```
main.c X
          #include <stdlib.h>
    3
                                                       "C:\Users\user\Desktop\os\section 3\b
        ☐int main () {
                                                      y is greater than x
          int x, y;
                                                      Process returned 0 (0x0)
    6
              x = 15;
                                                      Press any key to continue.
              y = 18;
    8
              if (x > y)
    9
   10
                   printf("x is greater than y");
   11
   12
              else
   13
   14
                   printf("y is greater than x");
   15
   16
              return 0 ;
   17
```

main.c X #include <stdio.h> "C:\Users\user\Desktop\os\section #include <stdlib.h> Enter a number...35 Divisible by 5 void main() Process returned 14 (0xE) Press any key to continue. int a: printf("Enter a number..."); scanf("%d", &a); 10 if(a%5 == 0 && a%8 == 0) 11 12 printf("Divisible by both 5 and 8"); 13 14 else if(a%8 == 0) 15 16 printf("Divisible by 8"); 17 18 else if(a%5 == 0) 19 20 printf("Divisible by 5"); 21 22 else 23 24 printf("Divisible by none"); 25 26





```
int main()
                                                "C:\Users\user\Desktop\os\section 3\l
                                               Enter 3 numbers...100
    int a, b, c;
    printf("Enter 3 numbers...");
    scanf("%d%d%d",&a, &b, &c);
                                               a is the greatest
    if(a > b)
                                               Process returned 0 (0x0)
                                               Press any key to continue.
        if(a > c)
            printf("a is the greatest");
        else
            printf("c is the greatest");
    else
        if(b > c)
            printf("b is the greatest");
        else
            printf("c is the greatest");
    return 0 ;
```

```
int main()
                                             "C:\Users\user\Desktop\os\sect
                                            Enter 3 numbers...10
    int a, b, c;
                                            20
    printf("Enter 3 numbers...");
                                            30
    scanf("%d%d%d", &a, &b, &c);
                                            c is the greatest
    if(a > b)
                                            Process returned 0 (0x0)
                                            Press any key to continu
        if(a > c)
            printf("a is the greatest");
        else
            printf("c is the greatest");
    else
        if(b > c)
            printf("b is the greatest");
        else
            printf("c is the greatest");
    return 0 ;
```

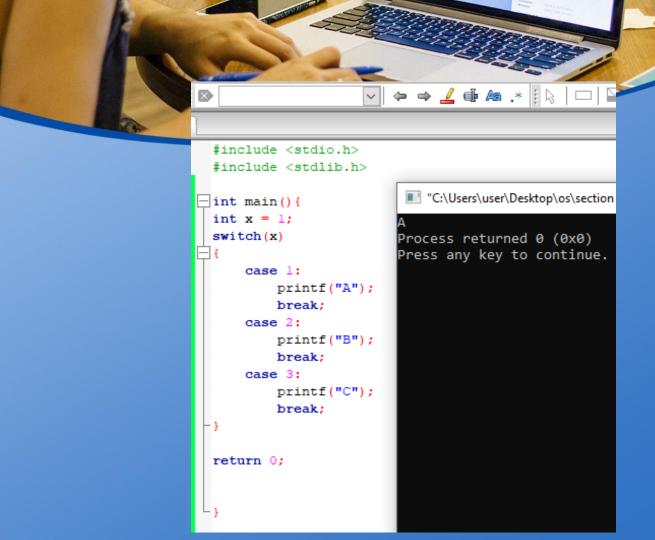


```
#include <stdio.h>
#include <stdlib.h>
int main() {
int x = 1;
switch(x)
   case 1:
                           // No break
       printf("A");
   case 2:
                     // No break
       printf("B");
    case 3:
       printf("C");
       break;
return 0;
```

Select "C:\Users\user\Desktop\os\!

ABC

Process returned 0 (0x0) Press any key to continue.



```
#include <stdio.h>
#include <stdlib.h>
                                 "C:\Users\user\Desktop\os\section
                                                                             #include <stdio.h>
                                                                             #include <stdlib.h>
                                Done
int main() {
                                Process returned 0 (0x0)
                                                                            int main(){
                                                                                                        "C:\Users\user\Desktop\os\section :
int x = 1;
                                Press any key to continue.
                                                                             int x = 2;
switch(x)
                                                                                                       Done
                                                                             switch(x)
                                                                                                       Process returned 0 (0x0)
                                                                                                        Press any key to continue.
    case 1:
                                                                                 case 1:
    case 2:
                                                                                 case 2:
                                                                                     printf("Done");
        printf("Done");
                                                                                    break;
        break:
                                                                                 case 3:
    case 3:
                                                                                     printf("NOT");
        printf("NOT"); #include <stdio.h>
                                                                                     break;
                          #include <stdlib.h>
        break:
                         int main() {
                          int x = 3;
return 0:
                                                        "C:\Users\user\Desktop\os\section
                          switch(x)
                              case 1:
                                                       Process returned 0 (0x0)
                              case 2:
                                                       Press any key to continue.
                                   printf("Done");
                                   break:
                              case 3:
                                   printf("NOT");
                                   break;
                          return 0:
```



Phank You