WELCOME TO CSCUV4

WEEK 4

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TODAY



15 mins – Presentation

I0 mins – Q&A

35 mins – Exercises & checkpoints

SUMMARY WEEK 2



The Main function



How to compile



First program



Standard I/O, printf & scanf

SUMMARY WEEK 3



Standard I/O, putchar & getchar



Arrays

TODAY





- Here we teach you the syntax and the semantic of C.
- But remember that you need to practice by yourself.

TYPEDEF (1)

 Typedef is a keyword used to assign alternative names to existing datatypes.

- A type of variable
 - Primary types: int, float, double, char, etc...
 - Derived types: arrays, pointers, structures

TYPEDEF (2)

 Typedef is a keyword used to assign alternative names to existing datatypes.

```
• typedef <existing_name> <alias_name>
              typedef unsigned long ulong;
           3
              int main() {
           5
           6
                  return 0;
```

TYPEDEF (3)

```
What?
                           Why?
  typedef unsigned long ulong;
4 vint main() {
       ulong i;
       return 0;
8
```

TYPEDEF (4)

```
What?
                           Why?
  typedef unsigned long ulong;
4 vint main() {
       ulong i;
6
       return 0;
8
```

TYPEDEF (5)

```
struct Books {
     char title[50];
      char author[50];
      char subject[100];
      int book_id;
6
     Book;
8
```

STRUCT (1)

```
2 v struct Books {
      char title[50];
      char author[50];
      char subject[100];
            book_id;
      int
     book;
```

STRUCT (2)

```
#include <stdio.h>
 3 v struct Books {
      char title[50];
    char author[50];
    char subject[100];
            book_id;
      int
8
 9
10 ~ int main( ) {
11
12
      struct Books Book1;
      struct Books Book2;
13
14
15
      return 0;
16
17
```

STRUCT (3)

```
1 ~ #include <stdio.h>
   #include <string.h>
 3
4 v struct Books {
       char title[50];
      char author[50];
      char subject[100];
       int book_id;
 8
9
   };
10
   int main( ) {
12
       struct Books Book1;
13
14
       strcpy(Book1.title, "My first book");
       Book1.book_id = 2324;
17
       return 0;
18
19
20
```

CHECKPOINTS

GROUP 1 A	Week 2	Week 3	Total
2839067/1			0
2816787/1		С	1
2817566/1	С	С	2
2825056/1	С	L	1
2835267/1	С	С	2
2823680/1	С	С	2
2811801/1	С	С	2
2836012/1	С	С	2
2810713/1	С	С	2

CHECKPOINTS

GROUP 1 B	Week 2	Week 3	
2813060/2			0
2710797/1		С	1
2928413/2			0
2823106/1	L		0
2823735/1	С		1
2814919/1	С	С	2
2839798/2	С	L	1
2716869/1			0
2944806/1	С		1

Any Questions?

Thank you