

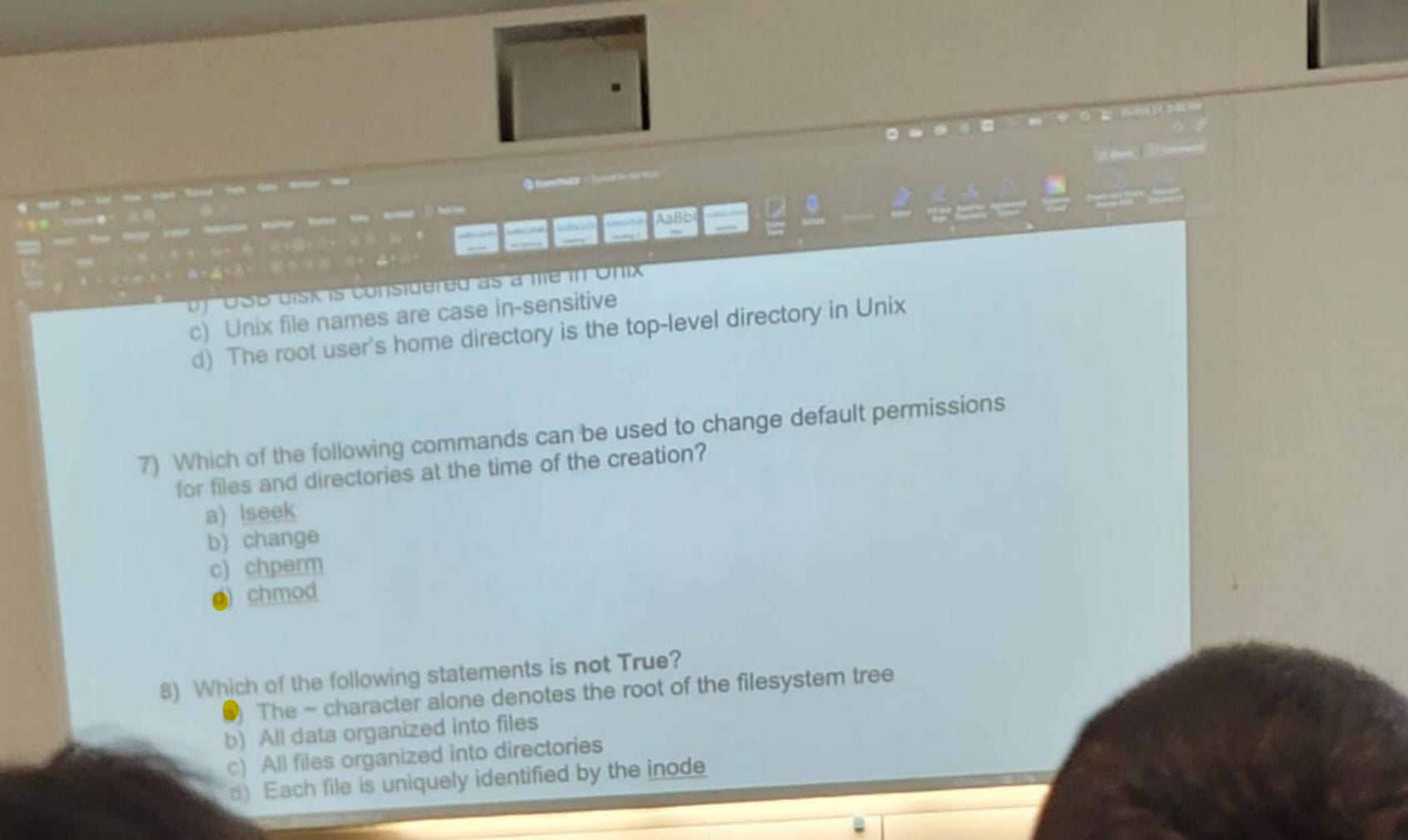
- 4) The role of the operating system is to
 - a) Exploits the hardware resources of one or more processors
 - b) Manages secondary memory and I/O devices
 - c) Provides a set of services to system users
 - a) All of the above

- 5) The _____ is the heart of the operating system. It interacts with the hardware and most of the tasks like memory management, task scheduling, and file management
 - a) Bash
 - b) Shell
 - Kernel

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- 6) Which of the following is correct about Unix/Linux file?
 - a) Unix files are ordered in an array structure
 - b) USB disk is considered as a file in Unix
 - c) Unix file names are case in-sensitive
 - d) The root user's home directory is the top-level directory in Unix
- 7) Which of the following commands can be used to change default permission for files and directories at the time of the creation?
 - a) Iseek
 - h) change



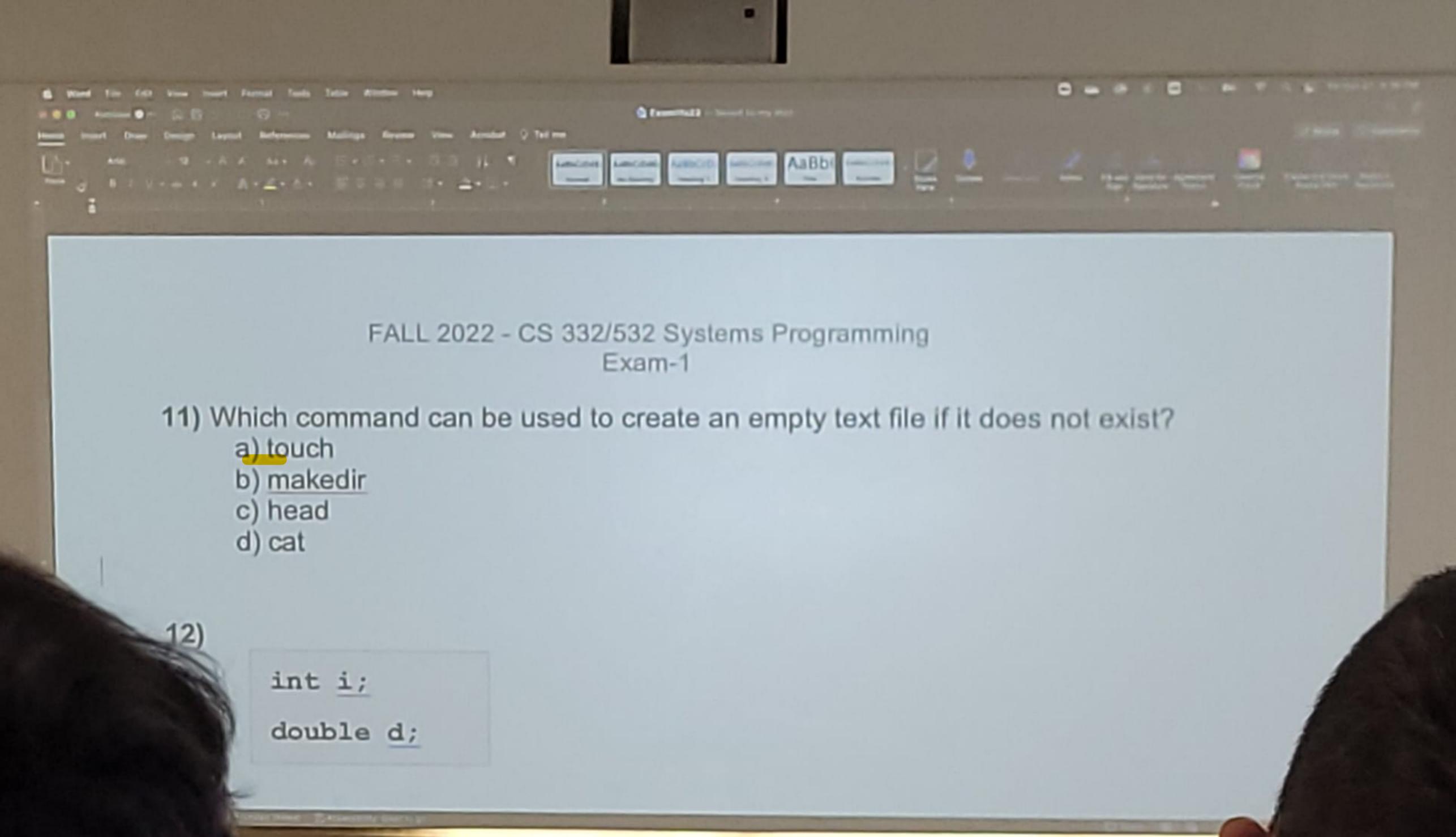


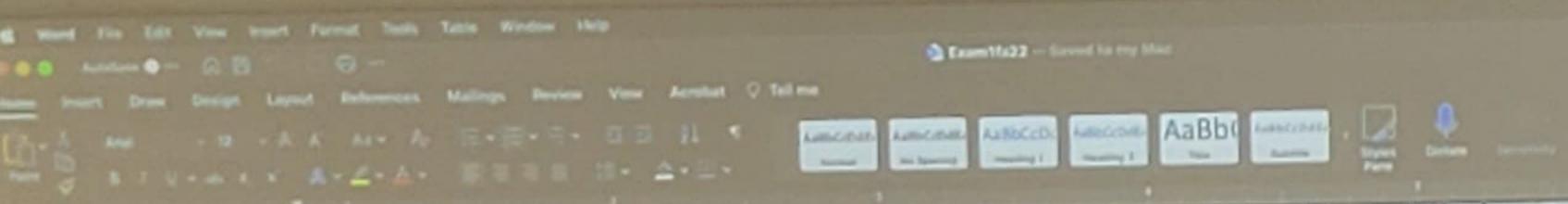
- A.Z.A.
 - b) All data organized into files
 - c) All files organized into directories
 - d) Each file is uniquely identified by the inode
- 9) _____ is a non-negative integer number that uniquely identifies an open file in Unix
 - a) Permission Mode
 - b) File Descriptor
 - c) struct stat
 - d) Buffer

10) Which of the following describes the directory permission below

Owner: read write execute permission

Group: read permission World: execute permission





- 11) Which command can be used to create an empty text file if it does i
 - a) touch
 - b) makedir
 - c) head
 - d) cat

12)

Which of the following is True about d=d+i?

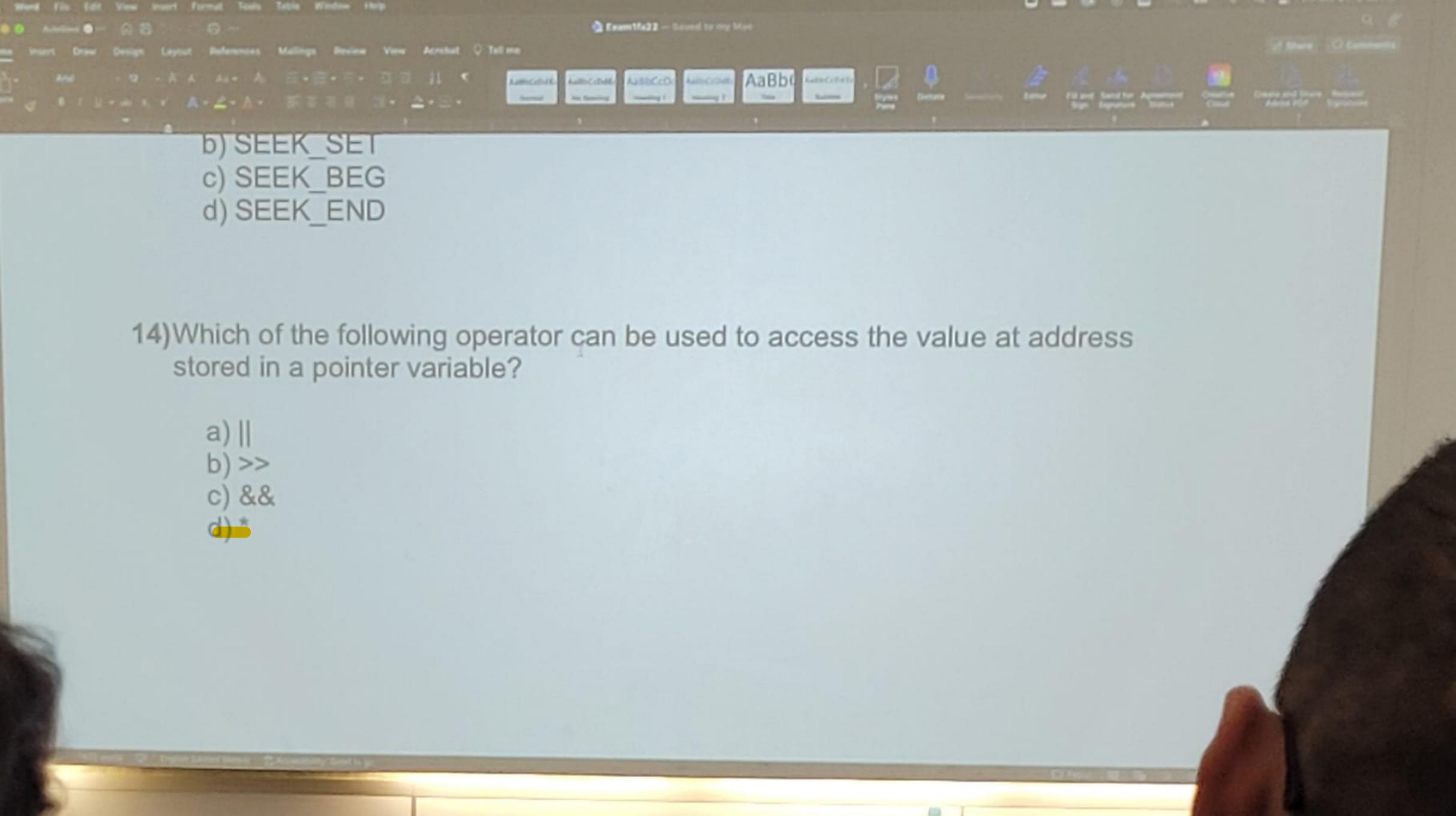
- a) d will be converted to int
- b) The result will be truncated
- c) i will be converted to double

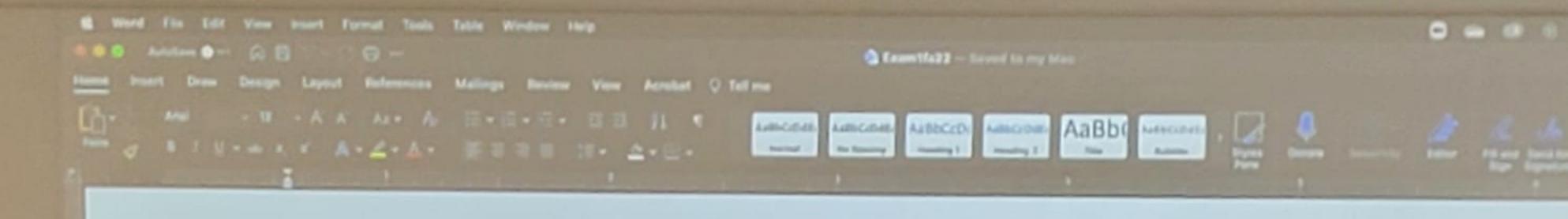
13) Which of the following is an invalid constant used in fseek() function as 'whence' reference

- a) SEEK_CUR
- b) SEEK_SET
- c) SEEK_BEG
- d) SEEK_END

14) Which of the following operator can be used to access the value at address stored in a pointer variable?

- a) ||
- b) >>
- c) &&
- *****





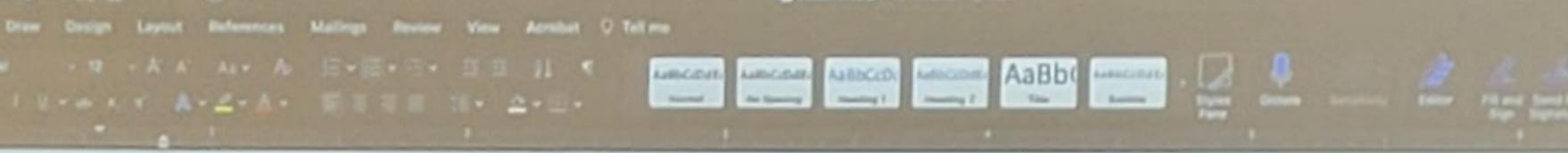
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15) What is the type of the read function's return value?

- a) String
- b) Pointer
- c) Boolean
- d) int

16) Which of the following is True about the loops in C Language?

- a) for loop is faster than do-while loop
- b) do-while loop is always executed at least once



- a) String
- Pointer
- Boolean
- d) int

16) Which of the following is True about the loops in C Language?

- a) for loop is faster than do-while loop
- b) do-while loop is always executed at least once
- the continue statement can't be used in do-while loop
- while loop is always executed at least once

17)In Memory Allocation, the memory is allocated from the stack.

- Dynamic
- Bash

d) while loop is always executed at least once

- 17)In _____ Memory Allocation, the memory is allocated from the stack.
 - a) Dynamic
 - b) Bash
 - Static
 - d) Symbolic

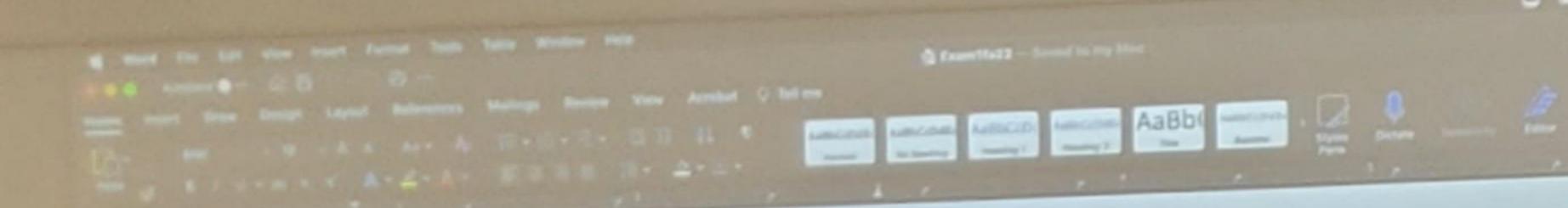
```
int main()
{
  int x, y = 5, z = 15;
```

```
int main()
 int x, y = 5, z = 15;
  x = y == z;
  printf("%d", x);
  return 0;
```

- a) Runtime Error

```
int main()
 int i = 5, j = 10, k = 15;
 printf("%d ", sizeof(k /= i + j));
 return 0;
```

- a) 1
- b) 15
- c) 13
- **d** 4



```
int main()
{

const int i = 0;

printf("%d\n", i++);

return 0;
}
```

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21) Which standard library includes the printf() and scanf() functions?

- a. <time.h>
- b. <stdlib.h>
- c. <stdio.h>
- d. <printer.h>

```
int main()
{
```

```
int main()
   int i = 1;
   while (i++<=51)
      printf("%d ",i++);
```

```
a) 135
b) 24
c) 246
d) 2
```

```
int main()
 int a = 4, b, c;
  c = a - :
  printf("%d %d %d",a,b,c);
  return 0;}
```

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```
int main () (
float f = 9.45;
int i = f;
i += 0.55;
f = i;
printf("%f", f);
)
```

- a) 9.0
- b) 10.0
- c) 9.55
- d) 11

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- 26) What is the correct format specifier to print characters?
 - a) %d
 - b) &c
 - c) %char
 - d) "char"

- 27) Between gets () and fgets (), which is the safer function?
 - a) gets()
 - b) fgets()
 - a) Thou are equally cafe



- b) fgets()
- c) They are equally safe
- d) They are equally unsafe

28) Which method is used to convert an integer to a char/string data type?

- a) atoi
- b) itoa
- c) itos
- d) int2str
- 29) Which of the following is the file types in Unix/Linux?
 - a) Directory files
 - b) Image files
 - c) Programming files
 - d) Log files

- c) Programming files
- d) Log files

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30) How to define a constant integer in C?

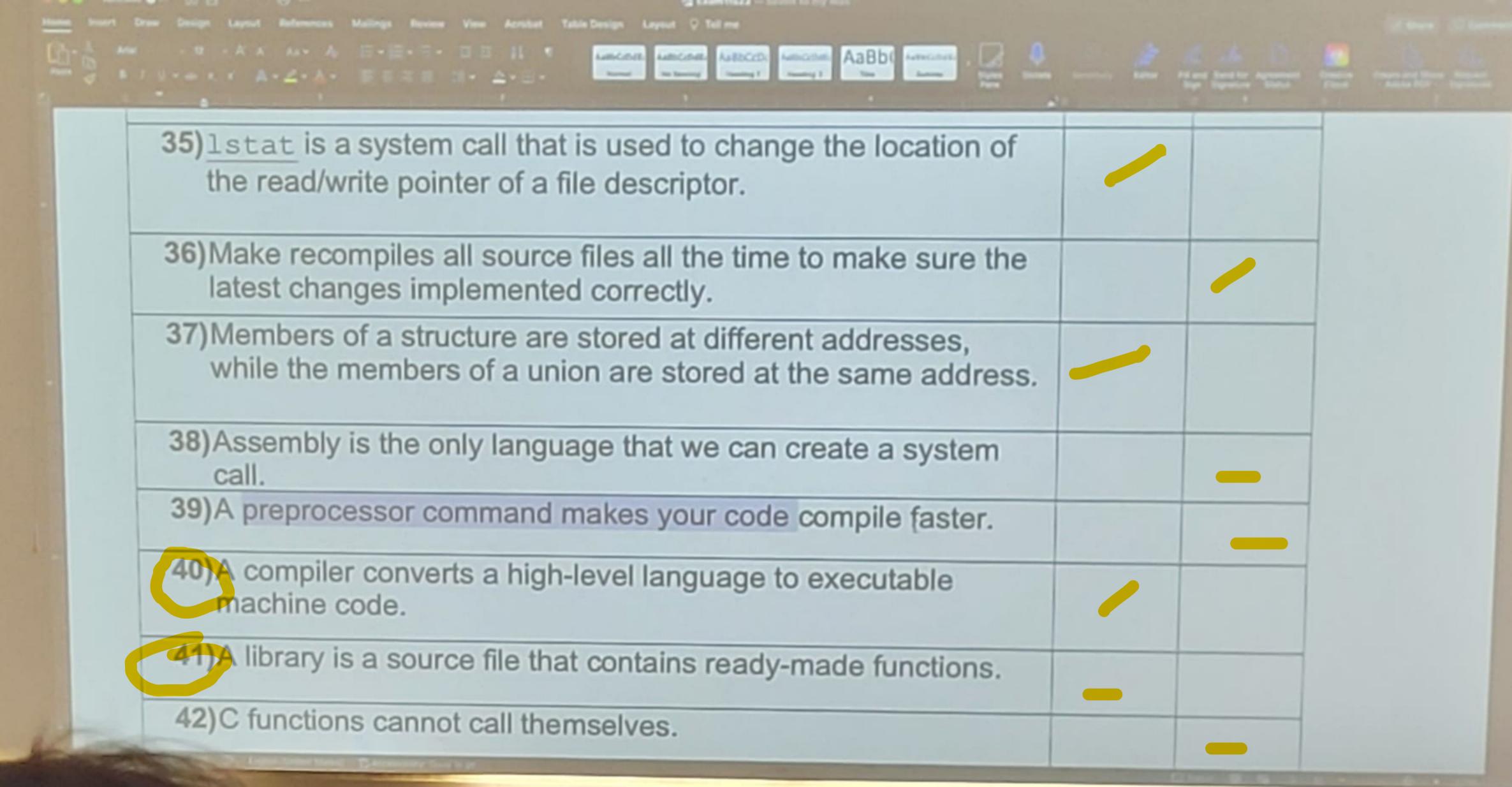
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- a) constant int a = 10;
- b) const int a=10;
- c) c int a=10;
- d) const integer a=10;

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True/False Questions. Each question is worth 1 point.

Statement	True	False
31)The size of a char pointer is equal to the size of an integer pointer.		
32)int a[6][5]; statement will create an array with 6 columns and 5 rows		
33)C programming language is an Object-Oriented Language		
34)gcc is an interpretation system		
35) lstat is a system call that is used to change the location of the read/write pointer of a file descriptor.		



Autre the triethfers of a program assessment
38) Assembly is the only language that we can create a system call. 39) A preprocessor command makes your code compile faster.
40)A compiler converts a high-level language to executable
machine code. 41)A library is a source file that contains ready-made functions.
42)C functions cannot call themselves.
43)A struct is a user defined data type.
44) A union is a user defined data type.
45)Converting a variable from an int to a float will never affect its

For CS532 Students Only

46) Which of the following code allocate memory space from the heap?

(a) malloc(100*sizeof(int))

```
b) int a(100)
c) heap int a[100]
d) int *a[100]
```

47)What is the result of "1/2/4" in C7 a) 1 b) 0 1 2-1/24 d) 7

48)What are the integer values corresponding to the standard input (stdin), standard output (stdout), and standard error (stderr) respectively? a) -1 -2 -3 a) 1. b) 0 c) 124 d) 7

48)What are the integer values corresponding to the standard input (stdin), standard output (stdout), and standard error (stden) respectively?





```
49)What will the following program return?
```