Every 2 Paview	
Exam 2 Review	
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Topics	
Logical operators	
If/else if/else	
Increment/decrement operator	
• while	
do/while	
• for	
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18.1 Logical Operators	
What are they?	
o int x, y, z;	
 Write logical statements for: x is greater than z or y is greater than z 	
o y is odd or z is even	
o x plus y is equal to z or z is equal to x minus y	
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```
While Loop

while ( expression )
{
    statement1;
    statement2;
    . . .
    statement3;
}
statement4;
```

```
General Format

for (initialize counter; test
  counter; update counter)
{
   statements;
}
```


18.2 Practice

- Write as a do/while, while, and for loop.
 - o Print n
 - o increment n by 1 if n is odd
 - o Increment n by 3 if n is even
 - o Stop when n > 100 and n is odd

```
int n;
cin >> n;
```

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18.3 Practice

 Write a code snippet that will implement a simple calculator. Prompt the user for a character (+, -, q) and two integers.

```
CALC> + 9 9

18

CALC> - 42 5

37

CALC> $ 9 8

That is an invalid request

CALC> q 0 0

2 calculations performed
```

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18.4 Practice	
Write a snippet of code to draw the following square on the screen, given a height h:	
**** ****	

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18.5 Practice]
Modify that code to print the following:	-
- Modify that code to print the following.	
* **	
*** ****	
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18.6 Practice	
Modify that code to print the following:	
*	
** ***	

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18.7Practice

- Write a program that allows the user to enter the rainfall for each of 30 days (integers), you should then print out the following:
 - o Total rainfall
 - Average rainfall per day
 - o Largest amount of rainfall on one day

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