

Comp 133, forms mid

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The value of x in the following expression:

A) 2.500000

B) 2

c) 2.000000

d) Error

- `int main() {`
- `double x = (float)(5/2);`
- `return 0;`
- `}`

$5/2=2$
`int/int=int`

`(float) 2=2.000`

The following is (are) considered a C programming **run-time** error:

A) Division by zero

B) Forgetting to close an open bracket

C) Using the wrong equation to calculate a value

D) All of the above

Run-time error

سيعمل البرنامج ولكن لن يقوم بتنفيذ شيء

syntax errors

اغلاق لن يعمل البرنامج لانه شرط اساسي
بنهايه الفنكشن {}

logical errors

كما اريد بسبب تضرع قيم ولكن ليس
خطأ استخدامي عمليه حسابيه

The output of the following code segment is:

- A)Hello
- B)Hi
- C)HelloHi
- d)None

```
int x = 1
switch(x)
{ case 1:
  printf("Hello");
default:
  printf(" Hi");
}
```

وجود عدم بسبب
Break
الجملتين بتنفيذ تقوم لهذا
Output
is :Hello
Hi

What is the value of balance after the following code is executed?

- A) 1
- B) infinite loop
- C) -1
- D) none

```
int balance = 10;
while (balance > 1) {
    if (balance < 9) {
        continue;
    }
    balance = balance - 9; }
```

عندما يكون
Balance
سوف يدخل 1 اكثر من
الحلقه

ووظيفه الجملة الشرطيه
If
كل (تجاهل) هو تخطي
الارقام التي اصغر
يبقى فقط هكذا 9 من
Balance=10
هو مخرج الحلقه

Balance=10-9=1

he output of the following code segment is:

A)8

B)6

D)0

C)none

```
int x = 6;  
for(; x > 1; x += 2)  
if(x % 3)  
break;  
printf("%d", x);
```

طالما قيمه المتغير اكبر من 1 سيدخل الحلقه وهنا دخل الحلقه لان قيمته 6 بعدها يفحص اذ كان الشرط يتحقق اذا تحقق الشرط ستنتهي الحلقه واذا لم يتحقق سيضاف للمتغير 2

الرقم 6 باقى قسمته على 3 هو 0 والذي يعني

$6 \% 3 = 0$ (False)

اي لم يتحقق الشرط وهنا سيضاف الرقم 2 للمتغير

$6 + 2 = 8$

الرقم 8 باقى قسمته على 3 هي 1

$8 \% 3 = 1$ (true)

سيدخل الحلقه ويحقق الشرط الذي يوقف الحلقه

How many times
is the printf
statement
executed?

A)21

b)15

c)10

d)none

```
for(int i=0; i<6; i++)
```

I=0,1,2,3,4,5

```
for(int j=0; j<i; j++)
```

```
printf("%d ", j * i);
```

I=1

J=0

1*0

I=2

J=0,1

2*0

2*1

I=3

J=0,1,2

3*0

3*1

3*2

I=4

J=0,1,2,3

4*0

4*1

4*2

4*3

I=5:

j=0,1,2,3,4

:

5*0

5*1

5*2

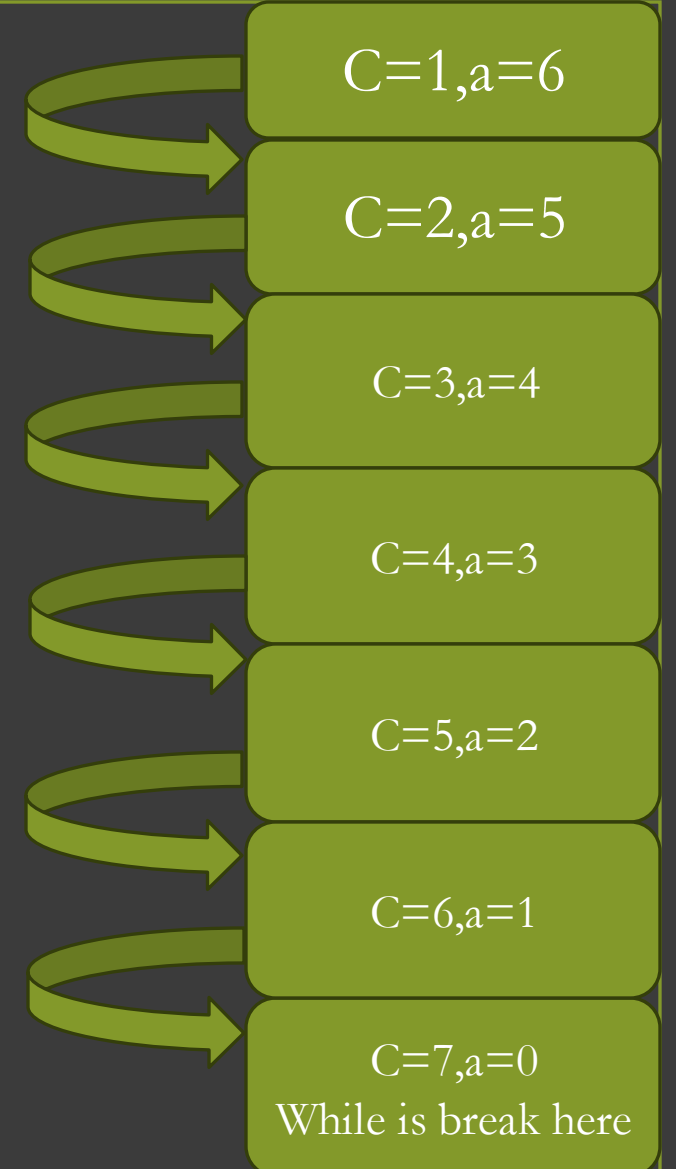
5*3

5*4

What is the output of the following statement:
`printf("%d", c);`

- A)5
- B)6
- C)7**
- D)NONE

```
int a = 6, c = 1;  
do {  
    c++;  
} while (--a > 0);  
printf("%d", c);
```



The following are all
legal C variable names
except:

A)A2B

B)CONSTANT

)AB

D)1a3



How many times will the following loop be executed?

A)0

B)1

C)100

D)infinite

```
int x = 1;  
while (x >= 100)  
{  
    printf("%d ",x++);  
}
```

How many times will the following loop run?

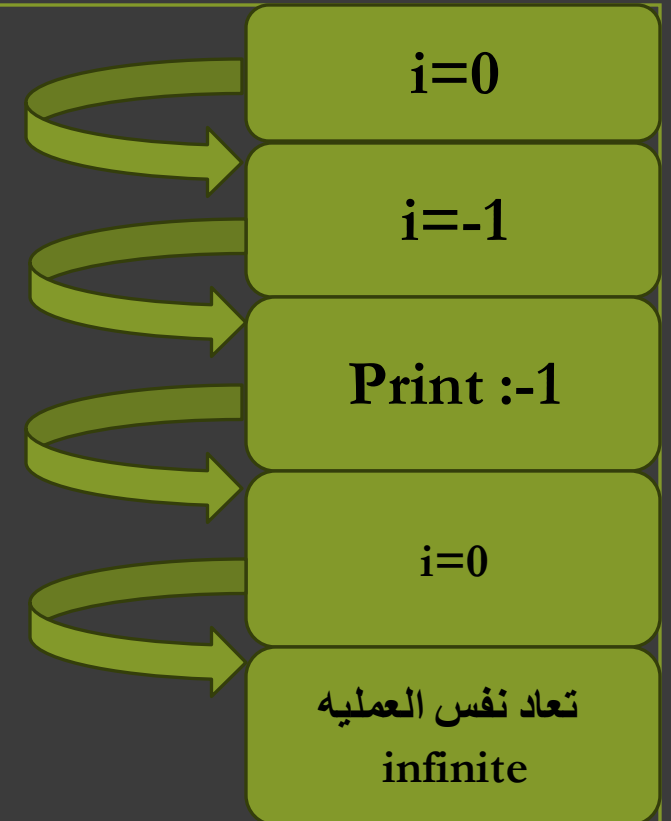
A)0

B)1

C)infinite

D)compiler error

```
int i = 0; do
{
printf("%d", --i);
i++; }
while (i >= 0);
```



What is output of the following statement
printf("%d",*y);
:

A)7

B)20

C)address of x

D)none

```
int x = 7;  
int *y = &x;  
x= 20;  
printf("%d\n", *y);  
printf("%d\n", y);  
printf("%d", &x);
```

All output is

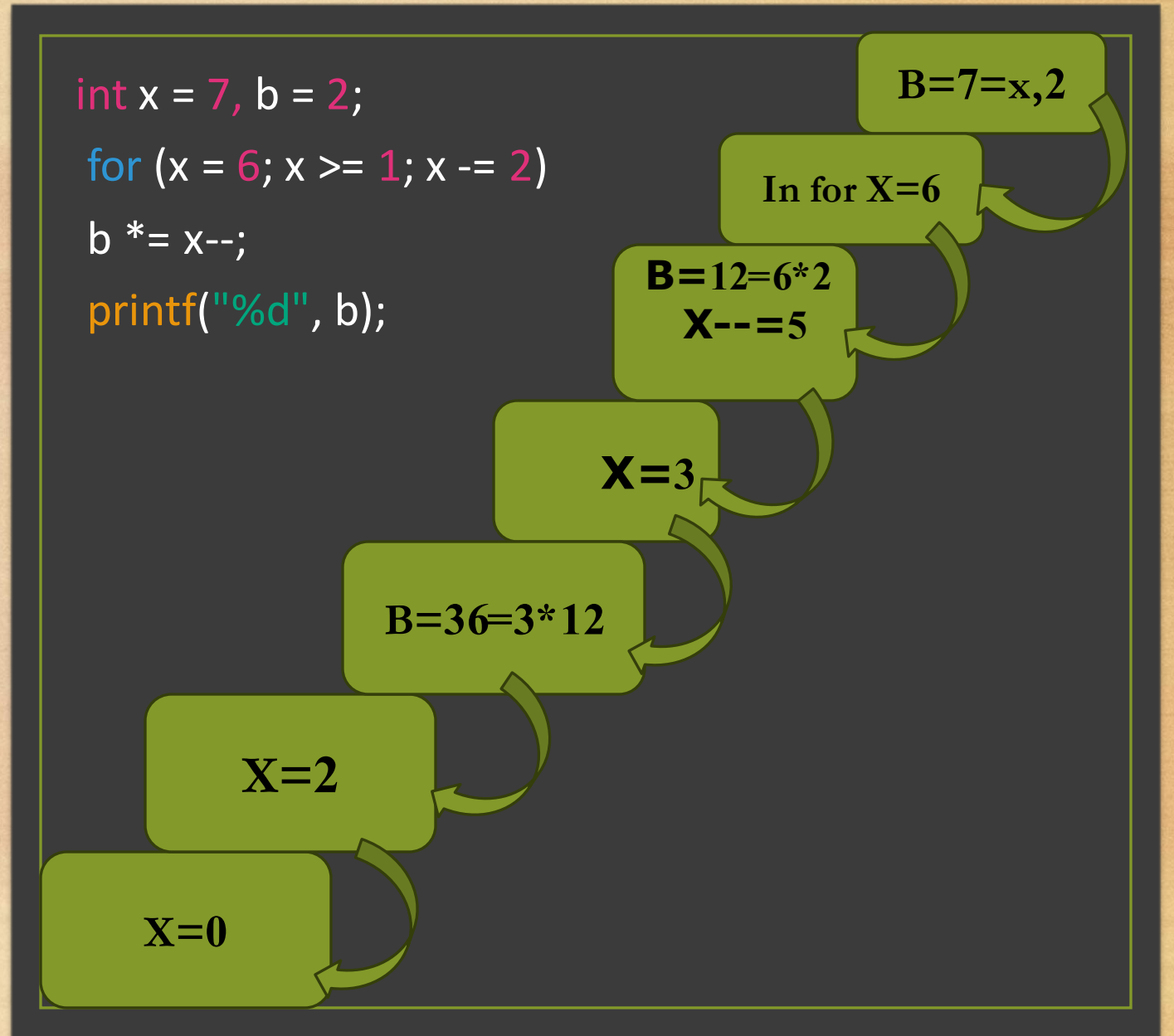
20

6356728

6356728

What is the out put of following statement
`printf("%d",b);`

- A)6
- B)20
- C)36**
- D)NONE



WHAT THE VALUE OF N
AFTER EXECUTING THE
FOLLOWING CODE:

- A)2
- B)5
- C)7
- D)NONE

```
int n=1;  
if(n)  
{ n+=3; // n = 1 + 3 = 4  
  n/=2; // n = 4 / 2 = 2  
}  
Else  
n+=4;  
n=7;  
printf("%d", n);
```

غير تابعه للجمله
الشرطيه
بسبب عدم وجود
{
بعد
else

In following code, how many times the value of n will be printed on screen:

- A) 4 times
- B) 5 times**
- c) 3 times
- d) 10 times

```
int n;  
for(n=1;n<=10;n++)  
printf("%d\n",++n);
```

N=2

N=4

N=6

N=8

N=10

Which of the following statements creates an array of 10 int initialized to values of zero

- A) `int [10]array=0;`
- B) `int array[10]=0;`
- C) `int array [10]=[0];`
- D) `int array[10]={0};`



What is the result after the execution of the following code if $a=10$, $b=5$ and $c=10$?

- A) $a=5, c=6$
- B) $a=10, c=11$
- C) none
- D) $a=11, c=10$

```
if ((a > b) && (a < c))  
    a = a + 1;
```

```
else
```

```
    c = c + 1;
```

T && f = f

a=10

C=c+1=11

What the output of following code

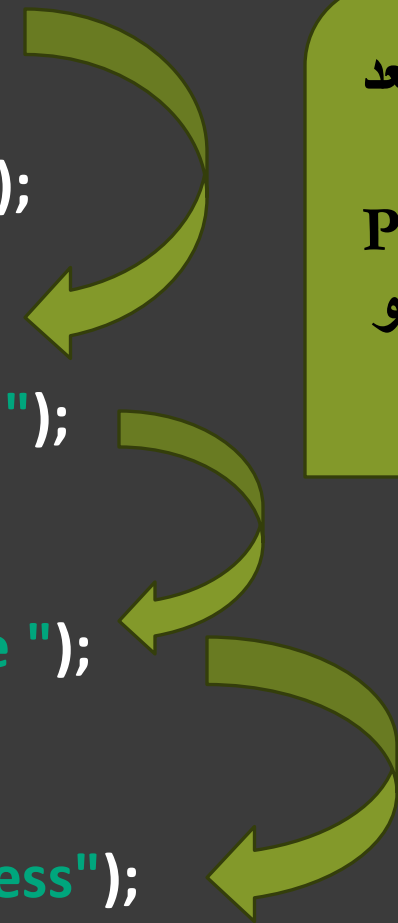
- a) Red
- b) Black
- c) Black White
- d) Black White
- Colorless

```
switch (color)
{ case 'R':
  printf("Red ");

  case 'B':
  printf("Black ");
  case 'W':

  printf("White ");

  default:
  printf("Colorless");
}
```



سبب تنفيذ الجمل بعد
Case 'B':
Printf("Black")
عدم وضع بعدها هو
Break;

What the output of following code

- A)61
- B)39
- c)none
- d)78

```
int x[5] = {15, 22, 39, 50, 21};
```

```
int s = x[5 % 2] + x[2];
```

```
printf("The value of s is: %d\n", s);
```

- $x[0] = 15$
- $x[1] = 22$
- $x[2] = 39$
- $x[3] = 50$
- $x[4] = 21$

$X[5\%2] = X[1] =$
22

$S = x[1] + x[2]$
 $S = 22 + 39 = 61$

The output is

A)ok 83

B)ok 8

C)ok 80

D)none

```
int main()
{
    int z = 83; if (z >= 90 && z <= 100)
    {
        printf("great\n");
    }
    else if (z < 60)
    { printf("fail\n");

} else if (z >= 60 && z < 90)
{ printf("ok %d\n", z / 10 * 10);
}
```

F&&T

f

T&&T

Int/int=int

The value of y is:

a)3

b)4

c)error

d)none

```
#include <math.h>
#include <stdio.h>
int main()
{
    int y = (int)ceil(sqrt(12.0));
    printf("The value of y is: %d\n", y);
    return 0; }
```

sqrt(12.0)=3.46410
Ceil(3.46410)=4

The output is

A) 5 30

B) 6 25

C) 5 25

D) 5 24

```
int x = 3, n = 6;
```

```
if (x = 2)
```

```
    x += 2;
```

```
else
```

```
    x *= 2;
```

```
    x *= n--;
```

```
Printf("%d %d", n, x);
```



How many times the statement `printf("\n")` will get executed?

- a)5
- b)15
- c)2
- d)none

```
for (int i = 0; i < 15; ++i)
{
    printf("%d", i++);
    if (i % 5 == 0)
        break;
    printf("\n");
}
```

What the output?

a)5

b)2

c)6

d)none

```
int a=5,c=1;
```

```
Do{
```

```
C++;
```

```
}while(--a>0);
```

```
printf("%d",c);
```


The output is:

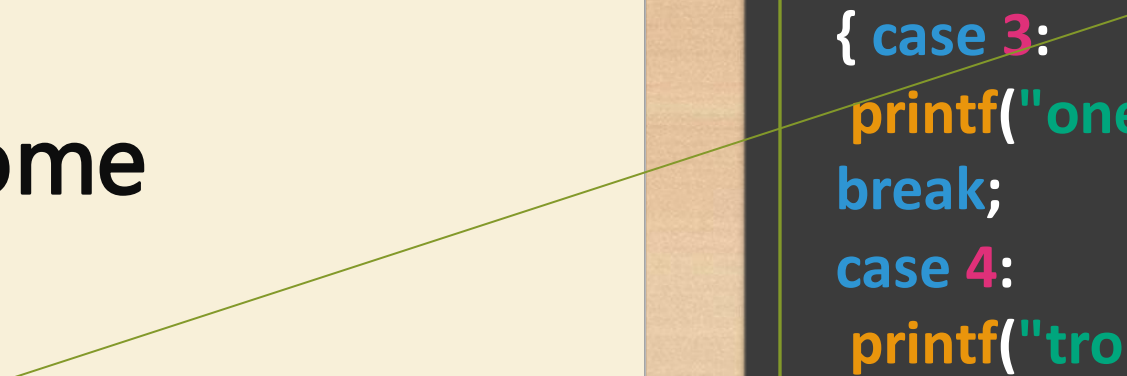
a)go home

b)tow

c)error

d)none

```
int x = 14;  
switch (x / 3.0)  
{ case 3:  
    printf("one");  
    break;  
  case 4:  
    printf("tro");  
    break;  
  case 5:  
    printf("hi ");  
    break;  
  default:  
    printf("go home"); }
```



The output is:

- a)bad
- b)nice bad
- c)nice
- d)none

```
int x = 10, y = 23, z = 15;  
if (x % y > 0 && z / 15 || 15 % 2)  
    printf("nice.");  
Else  
    printf("bad ");
```

How many times will the following loop be executed??

- a)0
- b)100
- c)infinite
- d)1

```
int x = 1;
while (x <= 100)
{
    printf("%d ", x--);
}
```

Every function
prototype must
include at least one
parameter.

- a)true
- b>false



What the output
of following code
segment?

- a)3 3.500000
- b)3 3.00
- c)none
- d)3 3.50

```
int x;  
float y;  
x = 7 / 2; //x=3  
y = 7 / 2; //y=3.000000  
  
printf("%d %.6f\n", x, y);
```


What is the output after executing the following code fragment

- a)5
- b)0
- c)6
- d)none

```
void f(int x)
{ x = x + 5; }
int main()
{
    int x = 5;
    f(x);
    printf("%d", ++x);
}
```

Which kind of statement can be nested inside the body of an if statement:

- a) if statement
- b) for statement
- c) while statement
- d) all of above

```
isVideo = ( (type == "image") || (type == "video") )
isUrl = ( source.indexOf("http://") > -1 )
isElement = ( (type == "url") || (type == "element") )
isObject = ( (typeof subject == "undefined") )

// Check if boxer is already active, return default
if ($("#boxer").length > 1 || (isImage || isVideo))
    return;
}

// Kill event
_killEvent(e);

// Cache internal data
data = $.extend({}, {
    $window: $(window),
    $body: $("body"),
    $target: $target,
    $object: $object,
    visible: false,
    resizeTimer: null,
    touchTimer: null,
    gallery: {
        active: false
    }
});
```