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ASSIGNMENT

1) Can We add any statements immediately below the break or continue ?

2) What will be the output of the following code

1) Can We add any statements immediately below the break or continue?

No, it will shows code unreachability error.if you want proper conformation about this you can see the below examples.

EXAMPLE: break:

```
package com.kodnest.controlConstructs.infinitemloop;
```

```
public class Demo7 {  
    public static void main(String[] args) {  
        for(;;)  
        {  
            System.out.println("Hello");  
            while(true)  
            {  
                break;  
                System.out.println("Kodnest");  
            }  
            System.out.println("Technologies");  
            break;  
        }  
    }  
}
```

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EXAMPLE: CONTINUE:

```
package com.kodnest.controlConstructs.infinitemloop;
```

```
public class Demo3 {  
    public static void main(String[] args) {  
        for(int i=0;;i++)  
        {  
            if(i==10)  
            {  
                continue;  
                System.out.println("KODNEST");  
            }  
        }  
    }  
}
```

2) What will be the output of the following code

a)

```
public class Demo {  
    public static void main(String[] args) {  
        for(int i=0;;i++)  
        {  
            System.out.println("KODNEST");  
        }  
    }  
}
```

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}

OUTPUT:

KODNEST

Infinite times KODNEST will be printed in each line.

```
b) public class Demo {  
    public static void main(String[] args) {  
        for(int i=0;;i++)  
        {  
            if(i==10)  
            {  
                System.out.println("KODNEST");  
                break;  
            }  
        }  
    }  
}
```

OUTPUT:

KODNEST

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c)

```
public class Demo {  
    public static void main(String[] args) {  
        for(int i=0;;i++)  
        {  
            if(i==10)  
            {  
                System.out.println("KODNEST");  
                continue;  
            }  
            break;  
        }  
    }  
}
```

d)

```
public class Demo {  
    public static void main(String[] args) {  
        for(int i=1;i<=5;i++)  
        {
```

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```
System.out.println("Hello");  
  
for(;;)  
{  
  
System.out.println("Kodnest");  
  
break;  
  
}  
  
}  
  
}
```

OUTPUT:

Hello
Kodnest
Hello
Kodnest
Hello
Kodnest
Hello
Kodnest
Hello
Kodnest

```
e) public class Demo {  
  
public static void main(String[] args) {  
  
for(;;)
```

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```
{  
System.out.println("Hello");  
for(;;)  
{  
System.out.println("Kodnest");  
break;  
}  
System.out.println("Technologies");  
break;  
}  
}  
}
```

OUTPUT:

Hello
Kodnest
Technologies

```
f) public class Demo {  
public static void main(String[] args) {  
for(;;)  
{
```

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```
System.out.println("Hello");  
  
while(true)  
{  
  
    System.out.println("Kodnest");  
  
    break;  
  
}  
  
System.out.println("Technologies");  
  
break;  
  
}  
  
}
```

OUTPUT:

Hello
Kodnest
Technologies

```
g) public class Demo {  
  
    public static void main(String[] args) {  
  
        for(;;)  
  
        {  
  
            System.out.println("Hello");  
  

```

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```
while(true)
{
break;

System.out.println("Kodnest");

}

System.out.println("Technologies");
break;

}

}

}
```

OUTPUT:

It shows Error because it is a Unreachable code.

h)

```
public class Demo {
public static void main(String[] args) {
for(;;)
{
System.out.println("Hello");
while(false)
```


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```
{  
System.out.println("Kodnest");  
}  
System.out.println("Technologies");  
break;  
}  
}  
}
```

OUTPUT:

It shows Error because it is a Unreachable code.

```
i) public class Demo {  
    public static void main(String[] args) {  
        do  
        {  
            System.out.println("Hello");  
            while(true)  
            {  
                System.out.println("Kodnest");  
                break;  
            }  
        }  
    }  
}
```

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```
}  
System.out.println("Technologies");  
break;  
}while(true);  
}  
}
```

OUTPUT:

Hello
Kodnest
Technologies

```
j) public class Demo {  
    public static void main(String[] args) {  
        do  
        {  
            System.out.println("Hello");  
            for(int i=1;i<=100;i=i+3)  
            {  
                System.out.println("Kodnest");  
                if(i==19)  
                {
```

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```
break;  
  
}  
  
}  
  
System.out.println("Technologies");  
  
break;  
  
}while(true);  
  
}  
  
}
```

OUTPUT:

```
Hello  
Kodnest  
Kodnest  
Kodnest  
Kodnest  
Kodnest  
Kodnest  
Kodnest  
Technologies
```