TASK:1 :- Point out the syntax e semante error in the code snippet.

Aim: To Point out the syntax and semante errors in the code snippet and olebug.

Algorithm:

1. Read the Code.
2. Check for semabe error.
3. Check for syntax error.
4. fix the error.
5. Compile and sum corrected code.

Codet:

1) Point out the semabe error in the code snippet

```
#inclede <stdio.h>
int main ()
{
    int a=10;
    printf ("The value of a is: 1.d", a);
    return0;
}
```

2) point out the syntax errors in the code snippet

Output:1

The value of a is : 10
variable a is used without declaration.
if int a =10 then output of a=10

Output:2

a is greater than 1
if (a>0) then output is a greater than 1
if (.) is invalid.

Output:3

The value of b is : 3/1

Division by zero (3/0) undefined.

Output:4

error:- invalid ++(x+y)

2 = x+y
++2 then.

output:7

```c
#include <stdio.h>
int main()
{
    int a=2;
    if(a>0);
    printf("a is greater than 1");
    return 0;
}
```

3) Point out the syntax error is the snippet.

```c
#include <stdio.h>
int main()
{
    int a=2%;
    int b=2/7;
    printf("The value of b is : %d", b);
    return 0;
}
```

4) find the output of the code.

```c
int main()
{
    int x=1, x=5;
    printf(" %d", ++(x+y));
    return
}
```

Output:5

    a=7

explanation 6==c means 3==3

Output:6

    -1

no errors.

Output:7

i-+3 invalid syntax

if it=3

output is 6 10 14 18 22

5) Find the output of the code.

```c
int main()
{
    int a=2, b=2, c=3;
    a=b=c;
    printf("a = %d", a);
    return 0;
}
```

6) find the output of the code

```c
int main()
{
    int i=9;
    for(i--; i--; i--);
    printf("%d", i);
    return 0;
}
```

7) find the output of the code

```c
int main()
{
    int i;
    for(i=5; ++i; i+=3)
        printf("%d", i);
    return 0;
}
```

Result: By the above tasks we understood about error detection proper use of expression and about loop, increments and writing error free C-program.

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EX NO.	
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