

Task1: Point out the Syntax and Semantic errors in the code snippet, and debug

1. Point out the Semantic errors in the code snippet

```
#include <stdio.h> int
main()
{
    a =
10;
printf("The value of a is : %d", a); return
0;
}
```

Point out the Syntax errors in the code snippet:

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

2. Point out the Syntax errors in the code snippet

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

3. Find the output of the code

```
int main() { int x=1,y=5; printf("%d",++(x+y));return 0; }
```

Find the output of the code

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

6. Find the output of the code

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

6. Find the output of the code

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

Outputs

The value of a is 10

Variable a is used without declaration if $a=10$,

a is greater than 1

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

The value of b is 12.

Division by zero $(12/0)$ undefined.

error: invalid $++(x+y)$

Output is 7

$2 = x+y$
 $++2$ then

$a=1$

Explanation $b==c$ means $3==3$.

No error

Output is -1

error: $i-+3$ is invalid syntax
if $i+=3$

Output is 6 10 14 18 22.

VEL TECH - CSE	
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PERFORMANCE (5)	5
RESULT AND ANALYSIS (3)	3
VIVA VOCE (3)	3
RECORD (4)	4
TOTAL (15)	15
SIGNATURE	

Result :-

Thus, the program verified and executed successfully.