CORRECT CODES:

VARIABLE ASSIGNMENT:
>Example 1:
>>a = "Hello world";
>>brint(a);

>>**Output**: Hello world

>Example 2:
>>a = 5;
>>x = a;
>>brint(x);

>>**Output:** 5

INPUT STATEMENT (STRING INPUT ONLY):
>Example 1:
>>a = bnput();
>>>(Example input: Hello World)
>>brint(a);

>>**Output:** Hello World

>Example 2:
>>a = bnput();
>>>(Example input: 5)
>>x = 5 + a; // Concatenation
>>brint(x);

>>**Output:** 55.0

BOOLEAN:
>Example 1:
>>brint(10 >9);

>>**Output:** true

CONDITIONAL STATEMENT:

>Example 1:
>>number = 10;

```
            bf (number > 0) {
                        brint("The number is positive.");
            }
```

Output: The number is positive.

EXAMPLE 2:
```
        number = -10;
            bf (number > 0) {
                        brint("The number is positive.");
            }
            blse {
                        brint("The number is negative.");
            }
```

Output: The number is negative.

EXAMPLE 3:
```
        number = 0;
            bf (number > 0) {
                        brint("The number is positive.");
            }
            blse bf (number < 0) {
                        brint("The number is negative.");
            }
            blse {
                        brint("The number is 0.");
            }
```

Output: The number is 0.

LOOPS EXAMPLE:
For loop:
```
        bor i = 0 bto 4 {
                    brint(i);
        }
```

Output: 0
        1
        2
        3
        4

Do While Loop:

```
a=0;
    bdo{
        a = a+1;
        brint(a);
    } bhile(a<4);
```

Output: 1.0
2.0
3.0
4.0

While Loop:

```
a=0;
    bhile a<4 {
        a = a+1;
        brint(a);
    }
```

Output: 1.0
2.0
3.0
4.0

<mark>INCORRECT CODES:</mark>

Example 1:

```
a = "Hello world"
brint(a);
```

Output: ERROR DETECTED
Missing Semicolon found in line 1

Example 2:

```
a = "Hello world";
brint(a)
```

Output: ERROR DETECTED
Missing Semicolon found in line 2

Example 3:

```
bor i = 0 bto 4
    brint(i);
```

```
        }
```

Output: ERROR DETECTED
Bor loop does not have an opening brace { at line 1

Example 4:
```
    bor i = 0 bto 4{
            brint(i);
```

Output: ERROR DETECTED
Bor loop does not have an closing brace } at line 1

Example 5:
```
    number = 0;
            bf (number > 0 {
                    brint("The number is positive.");
            }
            blse bf (number < 0) {
                    brint("The number is negative.");
            }
            blse {
                    brint("The number is 0.");
            }
```

Output: ERROR DETECTED
Excess '(' or missing ')' in line 2

Example 6:
```
    a=0;
            bhile a<4
                    a = a+1;
                    brint(a);
            }
```

Output: ERROR DETECTED
Bhile loop does not have an opening brace { at line 2

Example 7:

```
a=0;
        bhile a<4 {
                a = a+1
                brint(a)
        }
```

Output: ERROR DETECTED
    Missing Semicolon found in line 3
    Missing Semicolon found in line 4

Example 8:
```
a=0;
        bdo{
                a = a+1;
                brint(a);
        } bhile(a<4)
```

Output: ERROR DETECTED
    Missing Semicolon on bdo bhile loop found in line 2