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BRANCH – BTECH CSE

SEC = 13 A

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SUB- DBMS LAB MST

Q2 Write a PL/SQL block to find Sum of Digits of a given Number

DECLARE

--Declare variable n, temp_sum

-- and r of datatype number

n INTEGER;

temp_sum INTEGER;

r INTEGER;

BEGIN

n := 123456;

temp_sum := 0;

-- here we check condition with the help of while loop

-- here <> symbol represent for not null

WHILE n <> 0 LOOP

 r := MOD(n, 10);

 temp_sum := temp_sum + r;

 n := Trunc(n / 10);

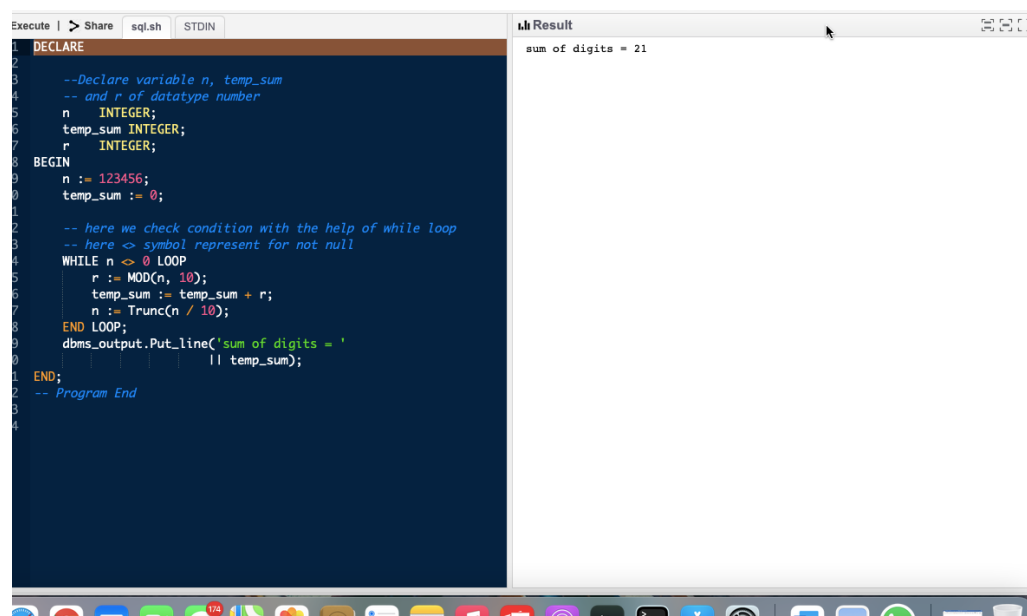
```
END LOOP;
```

```
dbms_output.Put_line('sum of digits = '  
|| temp_sum);
```

```
END;
```

```
-- Program End
```

CODE IN COMPILER



The screenshot shows a web-based SQL compiler interface. The left pane contains the following PL/SQL code:

```
1 DECLARE  
2  
3 --Declare variable n, temp_sum  
4 -- and r of datatype number  
5 n INTEGER;  
6 temp_sum INTEGER;  
7 r INTEGER;  
8 BEGIN  
9 n := 123456;  
10 temp_sum := 0;  
11  
12 -- here we check condition with the help of while loop  
13 -- here <> symbol represent for not null  
14 WHILE n <> 0 LOOP  
15     r := MOD(n, 10);  
16     temp_sum := temp_sum + r;  
17     n := Trunc(n / 10);  
18 END LOOP;  
19 dbms_output.Put_line('sum of digits = '  
20 || temp_sum);  
21  
22 END;  
23 -- Program End  
24
```

The right pane, titled "Result", displays the output of the program:

```
sum of digits = 21
```

The bottom of the image shows a macOS dock with various application icons.