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**IT-A1-025 DBMS Assignment: 4**

1.

| **declare**  day varchar2(10); **begin** day := :enter\_value; **if**(day **in**('Saturday', 'Sunday')) **then** dbms\_output.put\_line('Weekend'); **else** dbms\_output.put\_line('Week Day'); **end** **if**; **end**; |
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2.

| declare  letter **varchar2**(1); begin letter := :enter\_value; **if**(letter in('a','e','i','o','u')) then dbms\_output.put\_line('It is a vowel : '|| letter); **else** dbms\_output.put\_line('It is not a vowel'); end **if**; end; |
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3.

| declare i number := 1; summ number := 0; begin  **while**(i<=20) loop summ := summ+i; i := i+1; end loop; dbms\_output.put\_line('The sum of first 20 natural numbers is : '|| summ); end; |
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4.

| declare x **int** := :x; y **int** := :y; op **char**(1) := :op; begin **case** op   when '+' then dbms\_output.put\_line('The output is: '|| x+y);   when '-' then dbms\_output.put\_line('The output is: '|| x-y);  when '\*' then dbms\_output.put\_line('The output is: '|| x\*y);  when '/' then dbms\_output.put\_line('The output is: '|| x/y); end **case**; end; |
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5.

| declare x **int**; begin x := :enter\_value; dbms\_output.put\_line('The digits of the number in reverse order : '); **while**(x>0) loop dbms\_output.put\_line(' '|| mod(x,10)); x := x/10; end loop; end; |
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6.

| declare i **int**:= 5; begin dbms\_output.put\_line('The Tuesdays in October 2021 is : '); **while**(i<=31) loop  dbms\_output.put\_line(' '||i);  i:=i+7; end loop; end; |
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7.

| declare i **int**; j **int**; cnt **int** := 0; begin **for** i in 1 .. 50 loop cnt:=0; **for** j in 1 .. i loop **if**(MOD(i,j)=0) then cnt:=cnt+1; end **if**; end loop; **if**(cnt=2) then dbms\_output.put\_line(' '||i); end **if**; end loop; end; |
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8.

| declare x **int**; summ number:=0; begin x := :enter\_value; **while**(x>0) loop summ := summ+mod(x,10); x := x/10; end loop; dbms\_output.put\_line('The result is : '|| summ); end; |
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