JADAVPUR UNIVERSITY
Department of Information Technology
DATABASE MANAGEMENT SYSTEM LAB

IT UG-2

ASSIGNMENT 4

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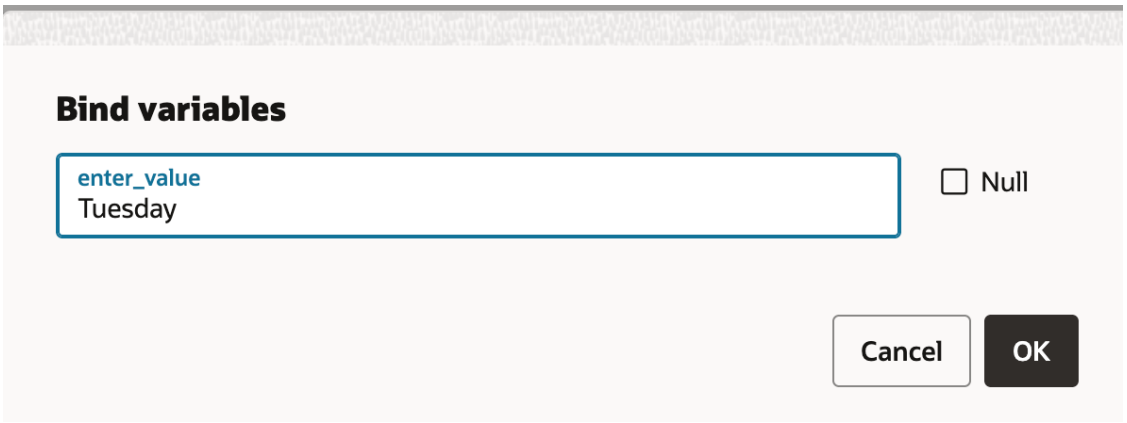
Year: 2024-25

Sec : *A1*

Date:22ndOctober, 2025

1. WriteaPL/SQLcodetoprintTodayisfallonweekendorweekdaysusingifelsestatement.

```
declare
day varchar2(10);
begin
day:=:enter_value;
if(dayin('Saturday','Sunday'))THEN
dbms_output.put_line('Weekend');
ELSE
dbms_output.put_line('Weekday');
end if;
end;
```

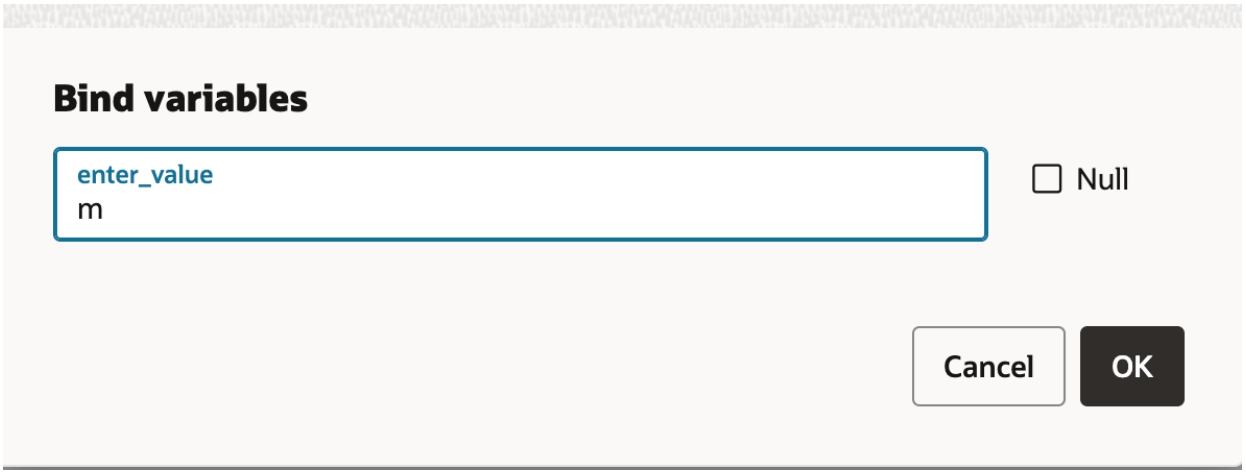



```
Weekday
PL/SQLproceduresuccessfullycompleted.
Elapsed: 00:00:00.007
```

2. Write a PL/SQL code to check that an inputted a single character is vowel or not .If vowel then display which vowel it is.

```
declare
letter varchar2(1);
begin
letter:=:enter_value;
if(letter in ('a','e','i','o','u')) THEN
```

```
dbms_output.put_line('Itisavowel:'||letter);
ELSE
dbms_output.put_line('Itisnotavowel'); end
if;
end;
```




```
Itisnotavowel
PL/SQLproceduresuccessfullycompleted.
Elapsed: 00:00:00.009
```

3. WriteaPL/SQLcodeblocktofindoutthesumoffirsttwentynaturalnumbers(1+2+3+4+5+6+7+8+9+10+ ---------- +20this series).

```
declare
inumber:=1;s
number:=0;BE
GIN
while(i<=20)loop
s:=s+i;
i:=i+1;
endloop;
dbms_output.put_line('Thesumoffirst20naturalnumbers:'||s); end;

Thesumoffirst20naturalnumbers:210
PL/SQLproceduresuccessfullycompleted.
Elapsed: 00:00:00.007
```

4. Write a PL/SQL block that will ask for two numbers and one operand (+,-,*,/). Then it will calculate and display the result.

```
DECLARE
x INT:=:x;
y INT:=:y;
chCHAR(1):=:ch;
BEGIN
CASEch
WHEN'+'THENDBMS_OUTPUT.PUT_LINE('Theoutputis:'  ||(x+y));  WHEN'-
'THENDBMS_OUTPUT.PUT_LINE('Theoutputis:' ||(x-y));
WHEN'*'THENDBMS_OUTPUT.PUT_LINE('Theoutputis:'           ||(x*y));
WHEN'/'THENDBMS_OUTPUT.PUT_LINE('Theoutputis:'   ||(x/y));   ELSE
DBMS_OUTPUT.PUT_LINE('Invalid operator');
ENDCASE;
END;
```


```
Theoutputis:2
PL/SQLproceduresuccessfullycompleted.
Elapsed: 00:00:00.010
```

5. WriteaPL/SQLcodeblocktodisplayanumberinareverseway.

```
declare
x int;
begin
x:=:enter_value;
dbms_output.put_line('Thedigitsofthenumberinreverseorder:');
while(x>0)
loop
dbms_output.put_line(''||mod(x,10)); x
:= x/10;
endloop;
end;
```

```
Thedigitsofthenumberinreverseorder:
 1
 2
 3
PL/SQLproceduresuccessfullycompleted.
Elapsed: 00:00:00.007
```

6. WriteaPL/SQLblocktodisplaythedatesofthismonthwhichareTuesday.

```
declare
iint:=7;begi
n
dbms_output.put_line('TheTuesdaysinOctober2025is:'); while(i<=31)
loop
dbms_output.put_line(''||i);
i:=i+7;
endloop;
end;
```

```
TheTuesdaysinOctober2025is:
 7
 14
 21
 28
PL/SQLproceduresuccessfullycompleted.
Elapsed: 00:00:00.007
```

7. WriteaprograminPL/SQLtoprinttheprimenumbersbetween1to50.

```
declare
i int;
j int;
cntint:=0; begin
foriin1..50 loop
cnt:=0;
forjin1..iloop
if(MOD(i,j)=0)
then
cnt:=cnt+1;
endif;end
loop;
if(cnt=2)
then
dbms_output.put_line(''||i);
end if;
endloop;
End;
```

```
2
3
5
7
11
13
17
19
23
29
31
37
41
43
47

PL/SQLproceduresuccessfullycompleted.

Elapsed: 00:00:00.009
```

8. WriteaprograminPL/SQLtoprintthesumofdigitsofanumber[eg:635=14].

```
declare
x int;
snumber:=0;b
egin
x:=:enter_value;
while(x>0)
loop
s:=s+mod(x,10);
x:=TRUNC(x/10);
endloop;
dbms_output.put_line('Theresultis:'||s); end;
```


```
Theresultis:9

PL/SQLproceduresuccessfullycompleted.

Elapsed: 00:00:00.008
```