

# Manas Pratim Biswas

IT-A1-025

DBMS Assignment: 4

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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;
```

---

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;
```

---

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;
```

---

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;
```