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CSE - CC J2

PL/SQL with exception handling

Q. PL/SQL with exception handling- Create a procedure with exception handling when finding the grades of the student.

```
set serveroutput on;
```

```
create or replace procedure findGrade(n IN number, grade OUT varchar) as
```

```
begin
```

```
declare
```

```
no_score exception;
```

```
begin
```

```
if n > 90 then
```

```
grade:='A';
```

```
elsif n > 80 then
```

```
grade:='B';
```

```
elsif n > 70 then
```

```
grade:='C';
```

```
elsif n > 60 then
```

```
grade:='D';
```

```
elsif n > 50 then
```

```
grade:='E';
```

```
elsif n <= 50 and n >=0 then
```

```
grade:='F';
```

```
else
```

```
raise no_score;
```

```
end if;
```

```
exception
when no_score then
dbms_output.put_line('Invalid score!');
end;
end;
/
declare
n number;
grade varchar(1);
begin
n:=-1;
findGrade(n, grade);
if grade is not null then
dbms_output.put_line('Grade: '||grade);
end if;
end;
```

OUTPUT :

```
SQL> declare
  2  n number;
  3  grade varchar(1);
  4  begin
  5  n:=-1;
  6  findGrade(n, grade);
  7  if grade is not null then
  8  dbms_output.put_line('Grade: '||grade);
  9  end if;
 10  end;
 11  /
Invalid score!

PL/SQL procedure successfully completed.
```