CPIT340 - VAR Homework #03

Group Members

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DECLARE

```
CURSOR bestAthletes IS
  SELECT ATHLETE, GENDER, SPORT, NOC,
 COUNT(CASE WHEN MEDAL = 'Gold' THEN 1 END) as Gold,
  COUNT(CASE WHEN MEDAL = 'Silver' THEN 1 END) as Silver,
  COUNT(CASE WHEN MEDAL = 'Bronze' THEN 1 END) as Bronze
  from OLYM.OLYM_MEDALS_VIEW
  GROUP BY SPORT, NOC, ATHLETE, GENDER
  ORDER BY OLYM.OLYM_MEDALS_VIEW.ATHLETE;
  sport_var OLYM.OLYM_MEDALS_VIEW.SPORT%type;
  noc_var OLYM.OLYM_MEDALS_VIEW.NOC% type;
  gender_var OLYM.OLYM_MEDALS_VIEW.GENDER%type;
  athelete_var OLYM.OLYM_MEDALS_VIEW.ATHLETE%type;
  goldNum integer;
  silverNum integer;
  bronzeNum integer;
  totalNum integer;
  PROCEDURE bestAthletes_proc ( v_sport in OLYM.OLYM_MEDALS_VIEW.SPORT%type default 'empty', v_gender in
OLYM.OLYM_MEDALS_VIEW.GENDER%type default 'empty', v_NOC in OLYM.OLYM_MEDALS_VIEW.NOC%type
default 'empty')
  IS
    BEGIN
      OPEN bestAthletes;
     LOOP
     FETCH bestAthletes into athelete_var, gender_var, sport_var, noc_var, goldNum, silverNum, bronzeNum;
     EXIT WHEN bestAthletes%notfound:
     totalNum := 0;
     totalNum := goldNum + silverNum + bronzeNum;
     if totalNum > 5
        if v_sport != 'empty' and v_gender != 'empty' and v_NOC != 'empty'
        then
          if gender\_var = v\_gender and sport\_var = v\_sport and v\_NOC = noc\_var
```

```
then
          dbms\_output\_line('\,|\,'\,|\,RPAD(athelete\_var,\,35)\,\|\,'\,|\,'\,|\,goldNum\,\|\,'\,|\,'\,|\,\,silverNum\,\|\,'\,|\,\,'\,|\,\,bronzeNum\,\|\,|\,\,|\,\,|\,\,dpundent = 0
' | '|| RPAD(totalNum, 3) || '|');
        end if;
       elsif v_sport != 'empty' and v_gender != 'empty'
       then
      if gender_var = v_gender and sport_var = v_sport
          ' | '|| RPAD(totalNum, 3) || '|');
        end if;
       elsif v_sport != 'empty' and v_NOC != 'empty'
       if noc\_var = v\_NOC and sport\_var = v\_sport
       then
          ' | '|| RPAD(totalNum, 3) || '|');
        end if;
       elsif v_NOC != 'empty' and v_gender != 'empty'
       then
       if gender_var = v_gender and noc_var = v_NOC
          ' | '|| RPAD(totalNum, 3) || '|');
        end if;
       elsif v_NOC !='empty'
       then
       if noc_var = v_NOC
```

```
then
          ' | '|| RPAD(totalNum, 3) || '|');
        end if;
       elsif v_gender != 'empty'
       then
      if gender_var = v_gender
          dbms_output_line('|'|| RPAD(athelete_var, 35) || | ' || goldNum || ' | '|| silverNum || ' | ' || bronzeNum ||
' | '|| RPAD(totalNum, 3) || '|');
        end if;
       elsif v_sport != 'empty'
       then
        if sport\_var = v\_sport
         then
          ' | '|| RPAD(totalNum, 3) || '|');
        end if;
       else
          dbms_output.put_line('|'|| RPAD(athelete_var, 35) || || '|| goldNum || '| '|| silverNum || '| '|| bronzeNum ||
' | '|| RPAD(totalNum, 3) || '|');
       end if;
     end if;
     END LOOP;
     close bestAthletes;
   end;
```

BEGIN

```
dbms_output.put_line('Women in Aquatics');
dbms_output.put_line(rpad(' -', 72, '-'));
dbms_output.put_line(' | ' || RPAD('Athlete', 35) || '| Gold | Silver | Bronze | Total |');
dbms_output.put_line(rpad(' -', 72, '-'));
bestAthletes_proc(v_sport => 'Aquatics', v_gender => 'Women');
dbms_output.put_line('Australian athletes');
    dbms_output.put_line(rpad(' -', 72, '-'));
dbms_output.put_line(' | ' || RPAD('Athlete', 35) || '| Gold | Silver | Bronze | Total |');
dbms_output.put_line(rpad(' -', 72, '-'));
bestAthletes_proc(v_NOC => 'AUS');
dbms_output.put_line('Gymnastics athletes');
dbms_output.put_line(rpad(' -', 72, '-'));
dbms_output.put_line(' | ' || RPAD('Athlete', 35) || '| Gold | Silver | Bronze | Total |');
dbms_output.put_line(' -', 72, '-'));
bestAthletes_proc(v_sport => 'Gymnastics');
```

END;



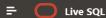
SQL Worksheet



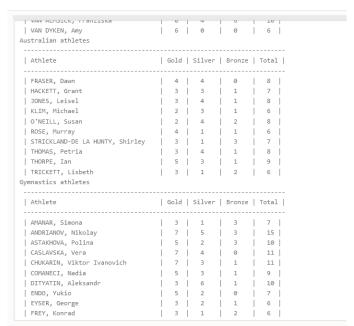
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mnastics athletes							
Athlete	(iold	Silve	er	Bronze	Tota	1
AMANAR, Simona	I	3	1		3	7	
ANDRIANOV, Nikolay	i	7	5	i	3	1 15	i
ASTAKHOVA, Polina	i	5	2	i	3	16	i
CASLAVSKA, Vera		7	4		0	11	1
CHUKARIN, Viktor Ivanovich		7	3		1	11	1
COMANECI, Nadia	1	5	3		1	9	1
DITYATIN, Aleksandr	i	3	6	i	1	16	i
ENDO, Yukio		5	2		0	7	- 1
EYSER, George		3	2		1	6	-1
FREY, Konrad		3	1		2	6	
GOROKHOVSKAYA, Mariya		2	5		0	7	- 1
HEIDA, Anton		5	1		0	6	- 1
JANZ, Karin		2	3		2	7	-1
KATO, Sawao	- 1	8	3		1	12	:
KELETI, Agnes		5	3		2	16	
KENMOTSU, Eizo		3	3		3	9	-1
KHORKINA, Svetlana		2	4		1	7	
KIM, Nelli		5	1		0	6	
KORBUT, Olga	- 1	4	2		0	6	
KORONDI, Margit	- 1	2	2		4	8	
LATYNINA, Larisa		9	5		4	18	
LI, Ning	- 1	3	2		1	6	
LI, Xiaosahuang		2	3		1	6	
MACK, Eugen	- 1	2	4		2	8	
	-	-	-	-	-		-

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DITYATIN, Aleksandr		3	!	6		1	. !	10	
ENDO, Yukio		5	!	2		0		7	
EYSER, George		3	-	2	- 1	1	- 1	6	
FREY, Konrad		3		1		2		6	
GOROKHOVSKAYA, Mariya		2		5		0		7	
HEIDA, Anton		5		1		0		6	
JANZ, Karin		2		3		2		7	
KATO, Sawao		8		3		1		12	
KELETI, Agnes		5		3		2		10	
KENMOTSU, Eizo		3		3		3		9	
KHORKINA, Svetlana		2		4		1		7	
KIM, Nelli		5		1		0		6	
KORBUT, Olga		4		2		0		6	
KORONDI, Margit		2		2		4		8	
LATYNINA, Larisa		9		5		4		18	
LI, Ning		3		2		1		6	
LI, Xiaosahuang		2		3		1		6	
MACK, Eugen		2		4		2		8	
MANINA, Tamara		2		3		1		6	
MIEZ, Georges		4		3		1		8	
MILLER, Shannon	ĺ	2	i	2	i	3	i	7	
MILOSOVICI, Lavinia Corina	i	2		1	j	3	İ	6	
MURATOVA, Sofiya	j	2		2	i	4	Ì	8	
NAKAYAMA, Akinori	i	6		2	j	2	Ĺ	10	
NEMOV, Alexei	i	4		2	i	6	İ	12	
ONO, Takashi	i	5	i	4	i	4	i	13	
SAVOLAINEN, Heikki	i	2	İ	1	i	6	i	9	
SCHERBO, Vitaly	i	6	i	0	i	0	Ĺ	6	
SCHWARZMANN, Karl-Alfred	i	3	1	1	i	2	i.	6	
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KORBUT, Olga	4	2		0		6
KORONDI, Margit	2	2		4		8
LATYNINA, Larisa	9	5		4		18
LI, Ning	3	2		1		6
LI, Xiaosahuang	2	3	- 1	1	- 1	6
MACK, Eugen	2	4		2		8
MANINA, Tamara	2	3	- 1	1	- 1	6
MIEZ, Georges	4	3		1		8
MILLER, Shannon	2	2		3		7
MILOSOVICI, Lavinia Corina	2	1		3		6
MURATOVA, Sofiya	2	2		4	- 1	8
NAKAYAMA, Akinori	6	2		2	- 1	10
NEMOV, Alexei	4	2		6		12
ONO, Takashi	5	4		4	- 1	13
SAVOLAINEN, Heikki	2	1		6	- 1	9
SCHERBO, Vitaly	6	0	- 1	0	- 1	6
SCHWARZMANN, Karl-Alfred	3	1		2		6
SHAKHLIN, Boris	7	4	- 1	2	- 1	13
SILIVAS, Daniela	3	2		1		6
STALDER, Josef	1	3	- 1	3	- 1	7
STUKELJ, Leon	3	1		2		6
TAKEMOTO, Masao	1	3		3		7
TASS LEMHENYI, Olga	1	3		2		6
TITOV, Yuri	1	5		3		9
TSUKAHARA, Mitsuo	5	1	- 1	3		9
TSURUMI, Shuji	2	3		1		6
TURISCHEVA, Lyudmila	4	3	- 1	2		9
VORONIN, Mikhail	2	6		1		9
WEINGÄRTNER, Hermann	3	2		1		6

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