CSE2007 - DBMS

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LAB 10

1. Write a PL/SQL program to compare the length of two given string and display the longest string with its length?

ANSWER:

DECLARE

  A string(20);
  B string(20);
  C string(20);
  i integer;
  j integer;
 k integer;

BEGIN

  A:=:A;
  B:=:B;
  i=LENGTH(A);
  j=LENGTH(B);
  IF(i>j) THEN
   c=A;
   k=i;
  ELSE
   c=B;
   k=j;
  END IF;

dbms_output.put_line("The length of the longest string "+ ||C ||+" is: " +||LENGTH(C)||);

END;

OUTPUT:
The length of the longest string Good Morning is: 12

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2. Write a PL/SQL program to find the summation of even and odd position elements in an array.

ANSWER:

```
DECLARE

  type array1 IS VARRAY(5) OF INTEGER;
  num array1;
  odd integer;
 even integer;
 total integer;

BEGIN

  num:= array1(10, 20, 30, 40, 50);
  total := num.count;

  FOR i in 1 .. total LOOP
  IF( i%2) THEN
    odd=odd+num(i);
  ELSE
    even=even+num(i);

  END LOOP;

dbms_output.put_line("Sum of Even position elements in the given array is: "+ ||even||);
dbms_output.put_line("Sum of Odd position elements in the given array is: "+ ||odd||);

END;
```

OUTPUT:
Sum of Even position elements in the given array is: 60
Sum of Odd position elements in the given array is: 90