Assignment

Sept23/ DBT/126.1

Database Technologies

Diploma in Advance Computing

September 2023

**Procedure and Function**

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| 1. Write a procedure to accept a string and print all characters in separate lines.   Input: - Ram  Output: - R  a  m |
| drop procedure if exists Print1;  delimiter $  CREATE PROCEDURE Print1(in p\_input\_string VARCHAR(20))  BEGIN    declare v\_length int;  declare v\_char varchar(1);  declare i int;  set v\_length := LENGTH(p\_input\_string);  set i := 1;  l1: loop  if i <= v\_length then  set v\_char := SUBSTR(p\_input\_string, i, 1);  select v\_char as output;  set i := i + 1;  else  leave l1;  end if;  end loop l1;      END $  delimiter ; |
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| 1. Write a procedure to accept a string and print every character separated by a comm sign.   Input: - SALEEL  Output: - S, A, L, E, E, L |
| drop procedure if exists Print1;  delimiter $  CREATE PROCEDURE Print1(in p\_input\_string VARCHAR(20))  BEGIN    declare v\_length int;  declare v\_char varchar(1);  declare i int;  set v\_length := LENGTH(p\_input\_string);  set i := 1;  SET @output := '';  l1: loop  if i <= v\_length then  set v\_char := SUBSTR(p\_input\_string, i, 1);  set i := i + 1;  SET @output := CONCAT(@output, v\_char,",");  else  leave l1;  end if;  end loop l1;    select @output as output;  END $  delimiter ; |
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| 1. Write a procedure to accept an alpha numeric string and separate number and characters of the string.   Input: - SAL1234EEL  Output: - SALEEL  1234 |
| drop procedure if exists Print1;  delimiter $  CREATE PROCEDURE Print1(in p\_input\_string VARCHAR(20))  BEGIN    declare v\_length int;  declare v\_char varchar(1);  declare i int;  set v\_length := LENGTH(p\_input\_string);  set i := 1;  SET @outputNum := '';  SET @outputStr := '';  l1: loop  if i <= v\_length then  set v\_char := SUBSTR(p\_input\_string, i, 1);  if ascii(v\_char) >= 49 and ascii(v\_char) <=57 then    SET @outputNum := CONCAT(@outputNum, v\_char);  else    SET @outputStr := CONCAT(@outputStr, v\_char);  end if;  set i := i + 1;  else  leave l1;  end if;  end loop l1;    select @outputNum as output;  select @outputStr as str;  END $  delimiter ; |
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| 1. Write a procedure to print all employee name and his job in following format.   Input: - KING PRESIDENT  SCOTT ANALYST  Output: - K(ING) is PRESIDENT  S(COTT) is ANALYST |
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| 1. Write a procedure to print all upper and lower characters separately.   Input: - AbCdEfG  Output: - ACEG  bdf |
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| 1. Write a procedure to find the number of vowels, digits and white spaces |
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| 1. Write a procedure to remove all characters in a string except alphabets   Input: - saleel.bagde123@gmail.com  Output: - saleelbagdegmailcom |
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| 1. Write a procedure to insert 10 rows in a table having following columns (using loop).   R (id int, message varchar(20)).  Output: -  id message  ---- -----------  1 i is odd  2 i is even  3 i is odd  4 i is even  5 i is odd  6 i is even  7 i is odd  8 i is even  9 i is odd  10 i is even |
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| 1. Write a procedure to print five highest paid employees from the emp table using cursor. |
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| 1. Create the following table named (emp10, emp20, and emp30) which have the same structure of emp table.   Write a procedure to split employee records from emp table according to their department numbers and insert those records in the appropriate table using cursor. |
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| 1. Write a procedure to display the department number and employee name in the following format.   Output: -  10 -> (AARAV, THOMAS, CLARK, KING, MILLER)  20 -> (SHARMIN, BANDISH, SMITH, JONES, SCOTT, FRED, ADAMS, FORD)  30 -> (GITA, ALLEN, WARD, MARTIN, BLAKE, TURNER, JAMES, HOFFMAN, GRASS)  40 –> (No employee work in department 40…)  50 -> (VRUSHALI, SANGITA, SUPRIYA) |
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| 1. Write a procedure to accept customer number and display all his order. (Use customers and orders table) |
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| 1. Write a procedure to convert numbers into word   Input: - 45234  Output: - Four Five Two Three Four |
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| 1. Write a procedure to find the sum of digits.   Input: - 5675  Output: - Twenty Three |
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| 1. Write a procedure to find how many “Sundays” are present between two given dates.   Input: - Date1 and Date2  Output: - 3 Sunday’s |
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| 1. Writer a procedure which will accept date and weekday name from the user and print upcoming date on than weekday   Input: - (‘2023-04-26’, ‘Saturday’)  Output: - ‘2023-04-29’ |
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