Assignment

March23/ DBT/126.1

Database Technologies

Diploma in Advance Computing

March 2023

**Procedure**

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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 newLine;  delimiter $  create procedure newLine(in s varchar(20))  begin  declare l int default 1;    lu:loop  if l = length(s)+1 then  leave lu;  end if;  select substr(s,l,1);  set l=l+1;  end loop lu;    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 commaLine;  delimiter $  create procedure commaLine(in s varchar(20))  begin  declare l int default 1;  declare str varchar(20) default "";  set s=reverse(s);  lu:loop  if l = length(s)+1 then  leave lu;  end if;  set str=concat(substr(s,l,1),",",str);  set l=l+1;  end loop lu;  select left(str,length(str)-1);    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 sepLine;  delimiter $  create procedure sepLine(in s varchar(20))  begin  declare l int default 1;  declare c char default '';  declare str1 varchar(20) default "";  declare str2 varchar(20) default "";  lu:loop  if l = length(s)+1 then  leave lu;  end if;  set c=substr(s,l,1);  if c between '0' and '9' THEN  set str1=concat(str1,c);  else  set str2=concat(str2,c);  end if;  set l=l+1;  end loop lu;  select s original,str1 numbers,str2 letters;      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] |
| select concat(substr(ename,1,1),"(",substr(ename,2,length(ename)-1),")"," is ","[",job,"]") name from emp; |
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| 1. Write a procedure to print all upper and lower characters separately.   Input: - AbCdEfG  Output: - ACEG  bdf |
| delimiter $  create procedure capNsml(in s varchar(20))  begin  declare l int default 1;  declare c char default '';  declare str1 varchar(20) default "";  declare str2 varchar(20) default "";  lu:loop  if l = length(s)+1 then  leave lu;  end if;  set c=substr(s,l,1);  if binary c between 'a' and 'z' THEN  set str1=concat(str1,c);  elseif binary c between 'A' and 'Z' THEN  set str2=concat(str2,c);  end if;  set l=l+1;  end loop lu;  select s original,str1 small,str2 caps;    end $  delimiter ; |
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| 1. Write a procedure to find the number of vowels, digits and white spaces |
| delimiter $  create procedure vdw(in s varchar(50))  begin  declare l int default 1;  declare c char default '';  declare str1 varchar(20) default "";  declare str2 varchar(20) default "";  declare str3 varchar(20) default "";  lu:loop  if l = length(s)+1 then  leave lu;  end if;  set c=substr(s,l,1);  if c in ('a','e','i','o','u') THEN  set str1=concat(str1,c);  elseif c between '0' and '9' THEN  set str2=concat(str2,c);  elseif c = " " THEN  set str3=concat(str3,c);  end if;  set l=l+1;  end loop lu;  select s original,length(str1) vowels,length(str2) digits, (length(s)-length(replace(s," ",""))) spaces;    end $  delimiter ; |
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| 1. Write a procedure to remove all characters in a string except alphabets   Input: - saleel.bagde123@gmail.com  Output: - saleelbagdegmailcom |
| drop procedure if exists rmnalpha;  delimiter $  create procedure rmnalpha(in s varchar(50))  begin  declare l int default 1;  declare c char default '';    lu:loop  if l = length(s)+1 then  leave lu;  end if;  set c=substr(s,l,1);  if c not between 'a' and 'z' THEN  set s=replace(s,c,"");  set l=l-1;  end if;  set l=l+1;  end loop lu;  select s ;    end $  delimiter ; |
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