Q1)

|  |
| --- |
| ACCEPT p\_make PROMPT 'Enter Make: '  ACCEPT p\_model PROMPT 'Enter Model: '  VARIABLE g\_output VARCHAR2(200)  DECLARE  v\_visit NUMBER(10, 2);  v\_avgcost NUMBER(10, 2);  v\_less\_than\_three EXCEPTION ;  BEGIN  SELECT count(\*), avg(s.totalcost)  INTO v\_visit, v\_avgcost  FROM s9.car c, s9.servinv s  WHERE c.serial = s.serial  AND c.make = '&p\_make'  AND c.model = '&p\_model';  IF v\_visit < 3 THEN  RAISE v\_less\_than\_three;  END IF;    :g\_output := 'Number of visits :'|| v\_visit || ' Average Cost :' ||v\_avgcost;      EXCEPTION  WHEN v\_less\_than\_three THEN  :g\_output := 'Number of visits :'|| v\_visit ;  END;  /  PRINT g\_output |
| **Visit more than 3 :**    **Visit less than 3 :** |

Q2)

|  |
| --- |
| ACCEPT p\_make PROMPT 'Enter Make: '  ACCEPT p\_model PROMPT 'Enter Model: '  ACCEPT p\_year PROMPT 'Enter Year: '  ACCEPT p\_color PROMPT 'Enter Color: '  VARIABLE g\_output VARCHAR2(9000)  DECLARE  v\_make s9.prospect.make%type;  v\_model s9.prospect.model%type;  v\_year s9.prospect.cyear%type;  v\_color s9.prospect.color%type;  v\_name s9.customer.cname%type;  v\_address s9.customer.cstreet%type;  v\_city s9.customer.ccity%type;  v\_prov s9.CUSTOMER.cprov%type;  v\_postal s9.customer.cpostal%type;  CURSOR all\_pros IS  SELECT p.make, p.model, p.cyear, p.color, cu.cname, cu.cstreet, cu.ccity, cu.cprov, cu.cpostal  FROM s9.customer cu, s9.prospect p  WHERE p.cname = cu.cname  AND p.make = '&p\_make'  AND p.model= '&p\_model'  AND p.cyear = '&p\_year'  AND p.color = '&p\_color';  BEGIN  OPEN all\_pros;  :g\_output := '&p\_make' || ' '|| '&p\_model' ||CHR(10) || '&p\_year' || ' ' || '&p\_color'|| CHR(10)|| CHR(10)|| CHR(10);  LOOP  FETCH all\_pros INTO v\_make, v\_model, v\_year, v\_color, v\_name, v\_address, v\_city,v\_prov, v\_postal;  EXIT WHEN all\_pros%NOTFOUND;  :g\_output := :g\_output || v\_name || CHR(10)|| v\_address || CHR(10)|| trim(v\_city) || ', '|| trim(v\_prov) || ' ' ||trim(v\_postal)|| CHR(10)|| CHR(10)|| CHR(10);    END LOOP;  END;  /  PRINT g\_output |
| **Output:** |