1)

```
mysql> CREATE FUNCTION INCOMELEVEL(MONTHLY_VALUE INT) RETURNS VARCHAR(20) BEGIN
DECLARE INCOME_LEVEL VARCHAR(20); CASE MONTHLY_VALUE WHEN 4000 THEN SET INCOME_L
EVEL='LOW INCOME'; WHEN 5000 THEN SET INCOME_LEVEL='AVG INCOME'; ELSE SET INCOME
_LEVEL='HIGH INCOME'; RETURN INCOME_LEVEL; END; //
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that
corresponds to your MySQL server version for the right syntax to use near '' at
line 1
mysql> DELIMITER //
mysql>
mysql> CREATE FUNCTION IncomeLevel ( monthly_value INT )
    -> RETURNS varchar(20)
    ->
    -> BEGIN
    ->
    ->    DECLARE income_level varchar(20);
    ->
    ->    CASE monthly_value
    ->       WHEN 4000 THEN
    ->         SET income_level = 'Low Income';
    ->
    ->       WHEN 5000 THEN
    ->         SET income_level = 'Avg Income';
    ->
    ->       ELSE
    ->         SET income_level = 'High Income';
    ->    END CASE;
    ->
    ->    RETURN income_level;
    ->
    -> END; //
Query OK, 0 rows affected (0.01 sec)

mysql> SELECT INCOMELEVEL(5300); //
+-------------------+
| INCOMELEVEL(5300) |
+-------------------+
| High Income       |
+-------------------+
1 row in set (0.00 sec)

mysql>
```

2)

```
mysql> SELECT INCOMELEVEL2(2100);
    -> //
ERROR 1054 (42S22): Unknown column 'starting_value' in 'field list'
mysql> SELECT IncomeLevel2(2100);
    -> //
ERROR 1054 (42S22): Unknown column 'starting_value' in 'field list'
mysql> DROP FUNCTION INCOMELEVEL2 //
Query OK, 0 rows affected (0.00 sec)

mysql> CREATE FUNCTION CALCINCOME2 ( starting_value INT )
    -> RETURNS INT
    ->
    -> BEGIN
    ->
    ->      DECLARE income INT;
    ->
    ->      SET income = 0;
    ->
    ->      label1: LOOP
    ->        SET income = income + starting_value;
    ->        IF income < 4000 THEN
    ->          ITERATE label1;
    ->        END IF;
    ->        LEAVE label1;
    ->      END LOOP label1;
    ->
    ->      RETURN income;
    ->
    -> END; //
Query OK, 0 rows affected (0.00 sec)

mysql> SELECT CALCINCOME2(2100);
    -> //
+--------------------+
| CALCINCOME2(2100) |
+--------------------+
|               4200 |
+--------------------+
1 row in set (0.00 sec)

mysql>
```