```
CREATE FUNCTION compras( IN cod INT, IN cant INT ) RETURN FLOAT
BEGIN

DECLARE precio  FLOAT DEFAULT 0;
DECLARE preCod1 INT DEFAULT 10;
DECLARE preCod2 INT DEFAULT 7;
DECLARE preCod3 INT DEFAULT 3;
DECLARE preCod4 INT DEFAULT 1;
DECLARE caja10  INT DEFAULT 65;

CASE cod
   WHEN 1 THEN SET precio = preCod1 * cant;

   WHEN 2 THEN IF ( cant >= 10 ) THEN
                  SET precio = TRUNCATE( ( cant/10 ), 0 ) * caja10 + MOD( cant, 10 ) * preCod2;
               ELSE
                  SET precio = preCod2 * cant;
               END IF;

   WHEN 3 THEN IF ( cant >= 10 ) THEN
                  SET precio = ( cant*precio3 ) - ( ( cant*precio3 ) * 0.1 );
               ELSE
                  SET precio = preCod3 * cant;
               END IF;
   WHEN 4 THEN SET precio = cant;
END CASE;

RETURN precio;
END
```

```
CREATE FUNCTION mayorNum( IN n1 INT, IN n2 INT, IN n3 INT ) RETURN VARCHAR ( 20 )
BEGIN
	DECLARE toRet VARCHAR ( 20 );

	IF ( n1 = n2 AND n2 = n3 ) THEN
		SET toRet = CONCAT( 'Los tres números son iguales' );
	ELSE
		IF ( n1 = n2 ) THEN
			IF ( n1 > n3 ) THEN
				SET toRet = CONCAT( n1,' y ', n2, ' son iguales y mayores que ', n3 );
			ELSE
				SET toRet = CONCAT( n1,' y ', n2, ' son iguales y menores que ', n3 );
			END IF;
		ELSE
			IF ( n2 = n3 ) THEN
				IF ( n2 > n1 ) THEN
					SET toRet = CONCAT( n2,' y ', n3, ' son iguales y mayores que ', n1 );
				ELSE
					SET toRet = CONCAT( n2,' y ', n3, ' son iguales y menores que ', n1 );
				END IF;
			ELSE
				IF ( n1 = n3 ) THEN
					IF ( n1 > n2 ) THEN
						SET toRet = CONCAT( n1,' y ', n3, ' son iguales y mayores que ', n2 );
					ELSE
						SET toRet = CONCAT( n1,' y ', n3, ' son iguales y menores que ', n2 );
					END IF;
				ELSE
					IF ( n1 > n2 ) THEN
						IF ( n1 > n3 ) THEN
							SET toRet = CONCAT( n1,' es mayor que ',n2, ' y ', n3 );
					ELSE
						SET toRet = CONCAT( n3,' es mayor que ',n1, ' y ', n2 );
					END IF;

						IF ( n2 > n3 ) THEN
							SET toRet = CONCAT( n2,' es mayor que ',n1, ' y ', n3 );
						ELSE
							SET toRet = CONCAT( n3,' es mayor que ',n2, ' y ', n1 );
						END IF;
					END IF;
				END IF;
			END IF;
		END IF;

	RETURN toRet;
END;
```

```
CREATE FUNCTION basicCalculator( IN n1 INT, IN n2 INT, IN op CHAR ) RETURN VARCHAR( 40 )
BEGIN
        DECLARE result VARCHAR( 40 );

        CASE ( op )
                WHEN '+' THEN SET result = CONCAT( 'Resultado ',n1, op, n2, ' = ', n1 + n2 );
                WHEN '-' THEN SET result = CONCAT( 'Resultado ',n1, op, n2, ' = ', n1 - n2 );
                WHEN '*' THEN SET result = CONCAT( 'Resultado ',n1, op, n2, ' = ', n1 * n2 );
                WHEN '/' THEN IF ( n2 > 0 ) THEN
                                SET result = CONCAT( 'Resultado ',n1, op, n2, ' = ', ROUND ( n1 / n2, 2 ) );
                              ELSE
                                SET result = CONCAT( 'Error de división por cero' );
                              END IF;
               ELSE
                     SET result = CONCAT( 'ERROR. ', op, ' no es un operador válido' );
        END CASE;
        return result;
END;
```

```
CREATE FUNCTION nextDate( IN d SMALLINT, IN m SMALLINT, IN y SMALLINT ) RETURN VARCHAR( 40 )
BEGIN

	DECLARE toRet VARCHAR( 40 ) DEFAULT 'Fecha de entrada no válida';

	IF ( d = 28 AND m = 2 ) THEN
		SET toRet = CONCAT( '1/3', y + 1 );
	ELSE
		IF ( d = 31 AND ( m = 1 OR m = 3 OR m = 5 OR m = 7  OR m = 8 OR m = 10 ) ) THEN
			SET toRet = CONCAT( '1/', m + 1,'/', y );
		ELSE
			IF ( d = 31 AND m = 12 ) THEN
				SET toRet = CONCAT( '1/1','/', y+1 );
			ELSE
				IF ( d = 30 AND  ( m = 4 OR m = 6 OR m = 9 OR m = 11 ) ) THEN
					SET toRet = CONCAT( '1/', m + 1,'/', y );
				ELSE
					IF ( d >= 1 AND d < 30 ) THEN
						SET toRet = CONCAT( d + 1, m, y );
					END IF;
				END IF;
			END IF;
		END IF;
	END IF;
	return toRet;
END;
```

```
CREATE FUNCTION buyCar( IN modelo VARCHAR( 10 ), IN nMens SMALLINT ) RETURN VARCHAR ( 75 )
BEGIN

	DECLARE toRet VARCHAR( 75 );
	DECLARE precFinal FLOAT default 0;
	DECLARE maxMens INT DEFAULT 36;
	DECLARE sobreCost FLOAT DEFAULT 2.5;
	DECLARE precBMW INT DEFAULT 20000;
	DECLARE precAUDI INT DEFAULT 19500;
	DECLARE precMercedes INT DEFAULT 32000;

	CASE ( modelo )

		WHEN 'BMW' THEN SET precFinal = precBMW;
		WHEN 'AUDI' THEN SET precFinal = precAUDI;
		WHEN 'Mercedes' THEN SET precFinal = precMercedes;

		ELSE
			BEGIN
				SET toRet = 'Error de introducción de datos';
				precFinal = -1;
			END;
	END CASE;

	IF ( nMens <= 36 ) THEN
		IF ( nMens > 24 ) THEN
			SET precFinal = ( precFinal + ( precFinal*sobreCost/100 ) ) / nMens;
		ELSE
			SET precFinal = precFinal / nMens;
		END IF;

		SET toRet = CONCAT( 'Precio letra  ', precFinal,' a pagar en ',nMens,' mensualidades' );
	END IF;

	RETURN toRet;
END;
```