

For testing -
Please run the test case in file -
bmi/biz/___test___/bmi.biz.test.js

Curl request API -
curl --location --request POST 'http://localhost:3000/calculate-bmi' \
--header 'Content-Type: application/json' \
--data-raw '[
 {
 "Gender": "Male",
 "HeightCm": 171,
 "WeightKg": 96
 },
 {
 "Gender": "Male",
 "HeightCm": 161,
 "WeightKg": 85
 },
 {
 "Gender": "Male",
 "HeightCm": 180,
 "WeightKg": 77
 },
 {
 "Gender": "Female",
 "HeightCm": 166,
 "WeightKg": 62
 },
 {
 "Gender": "Female",
 "HeightCm": 150,
 "WeightKg": 70
 },
 {
 "Gender": "Female",
 "HeightCm": 167,
 "WeightKg": 82
 }
,
'

POST http://localhost:3000/calculate-bmi Send Save

Params Authorization Headers (10) **Body** Pre-request Script Tests Settings Cookies Code

☐ none ☐ form-data ☐ x-www-form-urlencoded ☒ raw ☐ binary ☐ GraphQL JSON Beautify

```

1  [
2    {
3      "Gender": "Male",
4      "HeightCm": 171,
5      "WeightKg": 96
6    },
7    {
8      "Gender": "Male",
9      "HeightCm": 161,
10     "WeightKg": 85
11   },
12   {
13     "Gender": "Male",
14     "HeightCm": 180,
15     "WeightKg": 77
16   }
17 ]

```

Body Cookies Headers (18) Test Results Status: 200 OK Time: 188 ms Size: 953 B Save Response

Pretty Raw Preview Visualize JSON ⌵

```

1  {
2    "count": 0,
3    "success": true
4  }

```

Mysql Dump folder name - mysqlDump

Given -

BMI Category	BMI Range (kg/m2)	Health risk
Underweight	18.4 and below	Malnutrition risk
Normal weight	18.5 - 24.9	Low risk
Overweight	25 - 29.9	Enhanced risk
Moderately obese	30 - 34.9	Medium risk
Severel obese	35- 39.9	High
Very severely obese	40 and above	Very high risk

Table 1 : bmi_config

bmi_categor y	low_bmi	high_bmi	health_risk	is_active
Underweight	0	18.4	Malnutrition risk	1
Normal weight	18.5	24.9	Low risk	1

Overweight	25	29.9	Enhanced risk	1
Moderately obese	30	34.9	Medium risk	1
Severel obese	35	39.9	High	1
Very severely obese	40	1000	Very high risk	1

Table 2 : user_bmi

id	gender	height_m	weight_kg	bmi	bmi_category	health_risk
...

Input -

```
[
  {
    "Gender": "Male",
    "HeightCm": 171,
    "WeightKg": 96
  },
  {
    "Gender": "Male",
    "HeightCm": 161,
    "WeightKg": 85
  },
  {
    "Gender": "Male",
    "HeightCm": 180,
    "WeightKg": 77
  },
  {
    "Gender": "Female",
    "HeightCm": 166,
    "WeightKg": 62
  },
  {
    "Gender": "Female",
    "HeightCm": 150,
    "WeightKg": 70
  },
  {
    "Gender": "Female",
```

```
"HeightCm": 167,  
"WeightKg": 82  
}  
]
```

Mysql queries :

```
CREATE TABLE `bmi`.`bmi_config` (  
  `bmi_category` VARCHAR(100) NULL,  
  `low_bmi` INT NULL,  
  `high_bmi` INT NULL,  
  `health_risk` VARCHAR(100) NULL,  
  `is_active` SMALLINT(1) NULL DEFAULT 1,  
  PRIMARY KEY (`bmi_category`),  
  UNIQUE INDEX `bmi_category_UNIQUE` (`bmi_category` ASC) VISIBLE);
```

```
CREATE TABLE `bmi`.`user_bmi` (  
  `id` INT NOT NULL AUTO_INCREMENT,  
  `gender` VARCHAR(45) NULL,  
  `height_m` FLOAT NULL,  
  `weight_kg` FLOAT NULL,  
  `bmi` FLOAT NULL,  
  `bmi_category` VARCHAR(100) NULL,  
  `health_risk` VARCHAR(100) NULL,  
  PRIMARY KEY (`id`));
```

insert into bmi.bmi_config (bmi_category, low_bmi, high_bmi, health_risk, is_active) values
('Underweight', 0, 18.4, 'Malnutrition risk', 1), ('Normal weight', 18.5, 24.9, 'Low risk', 1),
('Overweight', 25, 29.9, 'Enhanced risk', 1), ('Moderately obese', 30, 34.9, 'Medium risk', 1),
('Severel obese', 35, 39.9, 'High', 1), ('Very severely obese', 40, 1000, 'Very high risk', 1)