# Meeting Calendar Assistant APIs

### 1. Register Employee

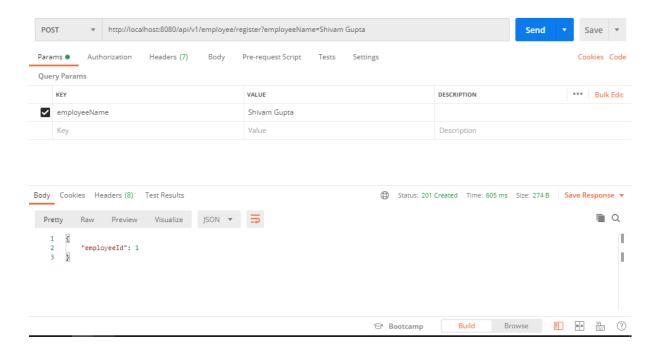
API Endpoint: /api/v1/employee/register?employeeName=<value>

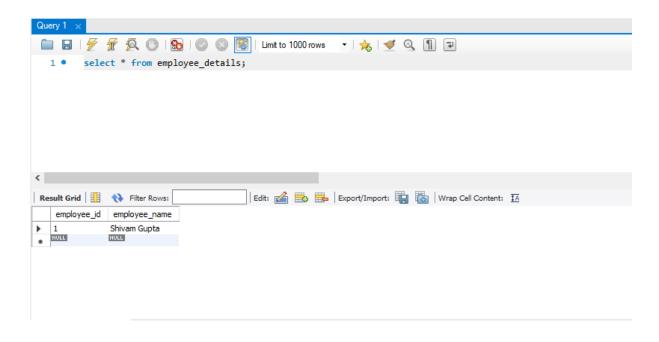
Method Type: POST

Output:

- Http Status Code 201 [In case of success] + Employee ID [In Body]
- Http Status Code 400 [In case of failure / exception]

## Sample Output (Postman):

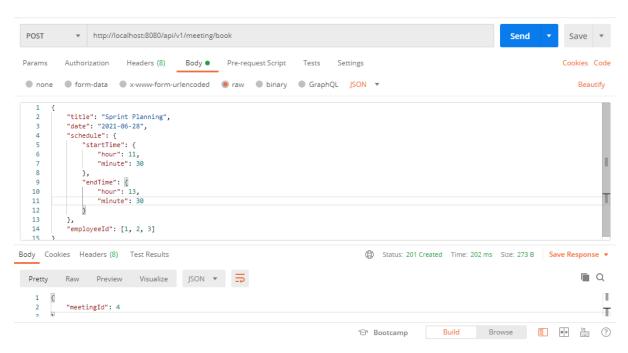


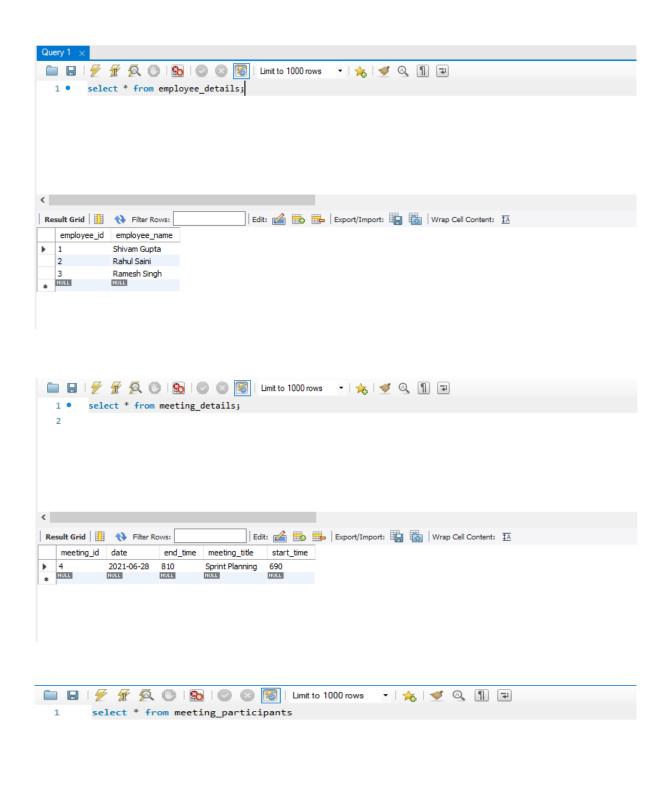


#### 2. Book Meeting

```
API Endpoint: /api/v1/meeting/book Method Type: POST
```

```
Sample Request Body:
  "title": "Sprint Planning",
  "date": "2021-06-28",
  "schedule": {
     "startTime": {
       "hour": 11,
       "minute": 30
     },
     "endTime": {
       "hour": 13,
       "minute": 30
  },
   "employeeld": [1, 2, 3]
}
Sample Response: [Http Status Code: 201]
{
   "meetingId": 4
}
```







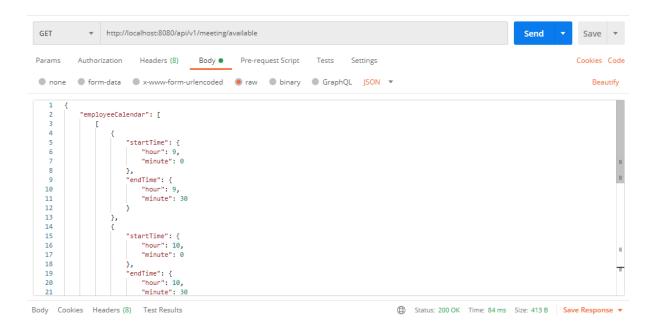
# 3. Find Free Slots for Meeting

API Endpoint: /api/v1/meeting/available Method Type: GET

# Sample Request Body:

```
{
  "employeeCalendar": [
     [
        {
          "startTime": {
             "hour": 9,
             "minute": 0
          },
           "endTime": {
             "hour": 9,
             "minute": 30
       },
        {
           "startTime": {
             "hour": 10,
             "minute": 0
          },
           "endTime": {
             "hour": 10,
             "minute": 30
        }
     ],
[
           "startTime": {
             "hour": 9,
             "minute": 0
          },
           "endTime": {
             "hour": 9,
             "minute": 45
       },
          "startTime": {
             "hour": 10,
             "minute": 15
          },
           "endTime": {
             "hour": 11,
             "minute": 10
          }
```

```
]
  ],
  "meetingDuration": 45
}
Sample Response:
{
  "availableSlots": [
        "startTime": {
          "hour": 0,
          "minute": 0
       },
        "endTime": {
          "hour": 9,
          "minute": 0
       }
     },
     {
        "startTime": {
          "hour": 11,
          "minute": 10
       },
        "endTime": {
          "hour": 23,
          "minute": 59
     }
  ]
}
```



# 4. Find Meeting Conflicts:

API Endpoint: /api/v1/meeting/conflict

```
Method Type: GET
```

```
Sample Request:
  "employees": [
        "employeeld": 1,
        "employeeName": "Shivam Gupta",
        "calendar": [
             "startTime": {
               "hour": 9,
               "minute": 0
             "endTime": {
               "hour": 9,
               "minute": 30
          },
             "startTime": {
               "hour": 10,
               "minute": 0
             },
             "endTime": {
               "hour": 11,
               "minute": 45
          }
       ]
     },
        "employeeld": 2,
        "employeeName": "Rahul Saini",
        "calendar": [
          {
             "startTime": {
               "hour": 9,
               "minute": 0
             },
             "endTime": {
               "hour": 10,
               "minute": 0
          },
             "startTime": {
```

```
"hour": 11,
             "minute": 30
          },
           "endTime": {
             "hour": 12,
             "minute": 0
          }
        }
     ]
   },
      "employeeld": 3,
     "employeeName": "Ramesh Singh",
      "calendar": [
        {
           "startTime": {
             "hour": 8,
             "minute": 30
          },
           "endTime": {
             "hour": 9,
             "minute": 0
        },
           "startTime": {
             "hour": 9,
             "minute": 0
          },
"endTime": {
             "hour": 12,
             "minute": 30
        }
     ]
   }
],
"meetingRequestDetail": {
   "startTime": {
     "hour": 10,
     "minute": 30
   },
   "endTime": {
     "hour": 11,
     "minute": 0
   }
}
```

}

```
Sample Response:
   "employeeld": [
      1,
      3
  ]
}
 GET ▼ http://localhost:8080/api/v1/meeting/conflict
                                                                                               Send ▼
                                                                                                         Save 💌
Params Authorization Headers (8) Body • Pre-request Script Tests Settings
                                                                                                         Cookies Code
 ■ none ■ form-data ■ x-www-form-urlencoded ■ raw ■ binary ■ GraphQL JSON ▼
                                                                                                            Beautify
54 },
Body Cookies Headers (8) Test Results
                                                                      ☐ Status: 200 OK Time: 22 ms Size: 273 B Save Response ▼
Pretty Raw Preview Visualize JSON ▼
                                                                                                             ■ Q
         "employeeId": [
```