

Megasoft's Calculator API IDD

Contents

Factorial API	1
Calculator APIs	1
Add API.....	1
Subtract API	2
Multiply API.....	2
Divide API	2

Factorial API

End point	<a href="http://<ip/domain>:<portno>/factorial/<input number >">http://<ip/domain>:<portno>/factorial/<input number >
Content-Type	application/json
Method	GET

Sample Request:

URL: <http://<ip/domain>:5000/factorial/10>

Sample Response:

```
{
  "result": 3628800,
  "factorial_of": "10"
}
```

Calculator APIs

Add API

End point	<a href="http://<ip/domain>:<portno>/calculator">http://<ip/domain>:<portno>/calculator
Content-Type	application/json
Method	POST

Sample Request:

URL: <http://<ip/domain>:5000/calculator>

Body:

```
{
  "Number1": "20",
  "Number2": "10",
  "Operation": "+"
}
```

Sample Response:

```
{
  "Number2": "10",
  "Operation": "+",
  "Number1": "20",
  "Result": 30
}
```

Subtract API

End point	http://<ip/domain>:<portno>/calculator
Content-Type	application/json
Method	POST

Sample Request:

URL: <http://<ip/domain>:5000/calculator>

Body:

```
{
  "Number1 ":"20",
  "Number2 ":"10",
  "Operation ":"-"
}
```

Sample Response:

```
{
  "Number2": "10",
  "Operation": "-",
  "Number1": "20",
  "Result": 10
}
```

Multiply API

End point	http://<ip/domain>:<portno>/calculator
Content-Type	application/json
Method	POST

Sample Request:

URL: <http://<ip/domain>:5000/calculator>

Body:

```
{
  "Number1 ":"20",
  "Number2 ":"10",
  "Operation ":"*"
}
```

Sample Response:

```
{
  "Number2": "10",
  "Operation": "*",
  "Number1": "20",
  "Result": 200
}
```

Divide API

End point	http://<ip/domain>:<portno>/calculator
Content-Type	application/json
Method	POST

Sample Request:

URL: <http://<ip/domain>:5000/calculator>

Body:

```
{
  "Number1 ":"20",
  "Number2 ":"10",
  "Operation":"/"
}
```

```
}
```

Sample Response:

```
{  
  "Number2": "10",  
  "Operation": "/",  
  "Number1": "20",  
  "Result": 2  
}
```