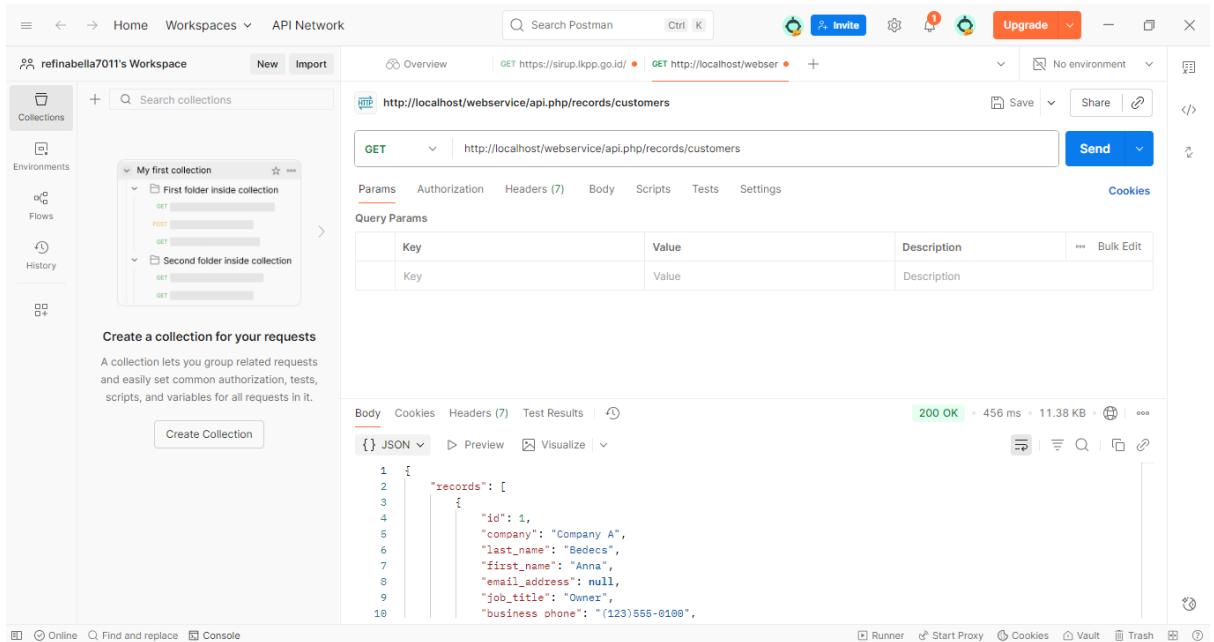


TUGAS 3

WEB SERVICE DEVELOPMENT "PHP CRUD API"

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NIM : 23.01.55.7011

1. DATA CUSTOMER DARI APLIKASI POSTMAN



```
{
  "records": [
    {
      "id": 1,
      "company": "Company A",
      "last_name": "Bedecs",
      "first_name": "Anna",
      "email_address": null,
      "job_title": "Owner",
      "business_phone": "(123)555-0100",
      "home_phone": null,
      "mobile_phone": null,
      "fax_number": "(123)555-0101",
      "address": "123 1st Street",
      "city": "Seattle",
      "state_province": "WA",
      "zip_postal_code": "99999",
      "country_region": "USA",
      "web_page": null,
      "notes": null,
      "attachments": ""
    },
    {
      "id": 2,
      "company": "Company B",
```

```

    "last_name": "Gratacos Solsona",
    "first_name": "Antonio",
    "email_address": null,
    "job_title": "Owner",
    "business_phone": "(123)555-0100",
    "home_phone": null,
    "mobile_phone": null,
    "fax_number": "(123)555-0101",
    "address": "123 2nd Street",
    "city": "Boston",
    "state_province": "MA",
    "zip_postal_code": "99999",
    "country_region": "USA",
    "web_page": null,
    "notes": null,
    "attachments": ""
},
{
    "id": 3,
    "company": "Company C",
    "last_name": "Axen",
    "first_name": "Thomas",
    "email_address": null,
    "job_title": "Purchasing Representative",
    "business_phone": "(123)555-0100",
    "home_phone": null,
    "mobile_phone": null,
    "fax_number": "(123)555-0101",
    "address": "123 3rd Street",
    "city": "Los Angelas",
    "state_province": "CA",
    "zip_postal_code": "99999",
    "country_region": "USA",
    "web_page": null,
    "notes": null,
    "attachments": ""
},
{
    "id": 4,
    "company": "Company D",
    "last_name": "Lee",
    "first_name": "Christina",
    "email_address": null,
    "job_title": "Purchasing Manager",
    "business_phone": "(123)555-0100",
    "home_phone": null,
    "mobile_phone": null,
    "fax_number": "(123)555-0101",
    "address": "123 4th Street",
    "city": "New York",
    "state_province": "NY",
    "zip_postal_code": "99999",
    "country_region": "USA",
    "web_page": null,

```

```
    "notes": null,
    "attachments": ""
},
{
    "id": 5,
    "company": "Company E",
    "last_name": "O'Donnell",
    "first_name": "Martin",
    "email_address": null,
    "job_title": "Owner",
    "business_phone": "(123) 555-0100",
    "home_phone": null,
    "mobile_phone": null,
    "fax_number": "(123) 555-0101",
    "address": "123 5th Street",
    "city": "Minneapolis",
    "state_province": "MN",
    "zip_postal_code": "99999",
    "country_region": "USA",
    "web_page": null,
    "notes": null,
    "attachments": ""
},
{
    "id": 6,
    "company": "Company F",
    "last_name": "Pérez-Olaeta",
    "first_name": "Francisco",
    "email_address": null,
    "job_title": "Purchasing Manager",
    "business_phone": "(123) 555-0100",
    "home_phone": null,
    "mobile_phone": null,
    "fax_number": "(123) 555-0101",
    "address": "123 6th Street",
    "city": "Milwaukee",
    "state_province": "WI",
    "zip_postal_code": "99999",
    "country_region": "USA",
    "web_page": null,
    "notes": null,
    "attachments": ""
},
{
    "id": 7,
    "company": "Company G",
    "last_name": "Xie",
    "first_name": "Ming-Yang",
    "email_address": null,
    "job_title": "Owner",
    "business_phone": "(123) 555-0100",
    "home_phone": null,
    "mobile_phone": null,
    "fax_number": "(123) 555-0101",
```

```
    "address": "123 7th Street",
    "city": "Boise",
    "state_province": "ID",
    "zip_postal_code": "99999",
    "country_region": "USA",
    "web_page": null,
    "notes": null,
    "attachments": ""
  },
  {
    "id": 8,
    "company": "Company H",
    "last_name": "Andersen",
    "first_name": "Elizabeth",
    "email_address": null,
    "job_title": "Purchasing Representative",
    "business_phone": "(123) 555-0100",
    "home_phone": null,
    "mobile_phone": null,
    "fax_number": "(123) 555-0101",
    "address": "123 8th Street",
    "city": "Portland",
    "state_province": "OR",
    "zip_postal_code": "99999",
    "country_region": "USA",
    "web_page": null,
    "notes": null,
    "attachments": ""
  },
  {
    "id": 9,
    "company": "Company I",
    "last_name": "Mortensen",
    "first_name": "Sven",
    "email_address": null,
    "job_title": "Purchasing Manager",
    "business_phone": "(123) 555-0100",
    "home_phone": null,
    "mobile_phone": null,
    "fax_number": "(123) 555-0101",
    "address": "123 9th Street",
    "city": "Salt Lake City",
    "state_province": "UT",
    "zip_postal_code": "99999",
    "country_region": "USA",
    "web_page": null,
    "notes": null,
    "attachments": ""
  },
  {
    "id": 10,
    "company": "Company J",
    "last_name": "Wacker",
    "first_name": "Roland",
```

```

    "email_address": null,
    "job_title": "Purchasing Manager",
    "business_phone": "(123) 555-0100",
    "home_phone": null,
    "mobile_phone": null,
    "fax_number": "(123) 555-0101",
    "address": "123 10th Street",
    "city": "Chicago",
    "state_province": "IL",
    "zip_postal_code": "99999",
    "country_region": "USA",
    "web_page": null,
    "notes": null,
    "attachments": ""
},
{
    "id": 11,
    "company": "Company K",
    "last_name": "Krschne",
    "first_name": "Peter",
    "email_address": null,
    "job_title": "Purchasing Manager",
    "business_phone": "(123) 555-0100",
    "home_phone": null,
    "mobile_phone": null,
    "fax_number": "(123) 555-0101",
    "address": "123 11th Street",
    "city": "Miami",
    "state_province": "FL",
    "zip_postal_code": "99999",
    "country_region": "USA",
    "web_page": null,
    "notes": null,
    "attachments": ""
},
{
    "id": 12,
    "company": "Company L",
    "last_name": "Edwards",
    "first_name": "John",
    "email_address": null,
    "job_title": "Purchasing Manager",
    "business_phone": "(123) 555-0100",
    "home_phone": null,
    "mobile_phone": null,
    "fax_number": "(123) 555-0101",
    "address": "123 12th Street",
    "city": "Las Vegas",
    "state_province": "NV",
    "zip_postal_code": "99999",
    "country_region": "USA",
    "web_page": null,
    "notes": null,
    "attachments": ""
}

```

```
},
{
  "id": 13,
  "company": "Company M",
  "last_name": "Ludick",
  "first_name": "Andre",
  "email_address": null,
  "job_title": "Purchasing Representative",
  "business_phone": "(123) 555-0100",
  "home_phone": null,
  "mobile_phone": null,
  "fax_number": "(123) 555-0101",
  "address": "456 13th Street",
  "city": "Memphis",
  "state_province": "TN",
  "zip_postal_code": "99999",
  "country_region": "USA",
  "web_page": null,
  "notes": null,
  "attachments": ""
},
{
  "id": 14,
  "company": "Company N",
  "last_name": "Grilo",
  "first_name": "Carlos",
  "email_address": null,
  "job_title": "Purchasing Representative",
  "business_phone": "(123) 555-0100",
  "home_phone": null,
  "mobile_phone": null,
  "fax_number": "(123) 555-0101",
  "address": "456 14th Street",
  "city": "Denver",
  "state_province": "CO",
  "zip_postal_code": "99999",
  "country_region": "USA",
  "web_page": null,
  "notes": null,
  "attachments": ""
},
{
  "id": 15,
  "company": "Company O",
  "last_name": "Kupkova",
  "first_name": "Helena",
  "email_address": null,
  "job_title": "Purchasing Manager",
  "business_phone": "(123) 555-0100",
  "home_phone": null,
  "mobile_phone": null,
  "fax_number": "(123) 555-0101",
  "address": "456 15th Street",
  "city": "Honolulu",
```

```
    "state_province": "HI",
    "zip_postal_code": "99999",
    "country_region": "USA",
    "web_page": null,
    "notes": null,
    "attachments": ""
  },
  {
    "id": 16,
    "company": "Company P",
    "last_name": "Goldschmidt",
    "first_name": "Daniel",
    "email_address": null,
    "job_title": "Purchasing Representative",
    "business_phone": "(123)555-0100",
    "home_phone": null,
    "mobile_phone": null,
    "fax_number": "(123)555-0101",
    "address": "456 16th Street",
    "city": "San Francisco",
    "state_province": "CA",
    "zip_postal_code": "99999",
    "country_region": "USA",
    "web_page": null,
    "notes": null,
    "attachments": ""
  },
  {
    "id": 17,
    "company": "Company Q",
    "last_name": "Bagel",
    "first_name": "Jean Philippe",
    "email_address": null,
    "job_title": "Owner",
    "business_phone": "(123)555-0100",
    "home_phone": null,
    "mobile_phone": null,
    "fax_number": "(123)555-0101",
    "address": "456 17th Street",
    "city": "Seattle",
    "state_province": "WA",
    "zip_postal_code": "99999",
    "country_region": "USA",
    "web_page": null,
    "notes": null,
    "attachments": ""
  },
  {
    "id": 18,
    "company": "Company R",
    "last_name": "Autier Miconi",
    "first_name": "Catherine",
    "email_address": null,
    "job_title": "Purchasing Representative",
```

```
    "business_phone": "(123)555-0100",
    "home_phone": null,
    "mobile_phone": null,
    "fax_number": "(123)555-0101",
    "address": "456 18th Street",
    "city": "Boston",
    "state_province": "MA",
    "zip_postal_code": "99999",
    "country_region": "USA",
    "web_page": null,
    "notes": null,
    "attachments": ""
  },
  {
    "id": 19,
    "company": "Company S",
    "last_name": "Eggerer",
    "first_name": "Alexander",
    "email_address": null,
    "job_title": "Accounting Assistant",
    "business_phone": "(123)555-0100",
    "home_phone": null,
    "mobile_phone": null,
    "fax_number": "(123)555-0101",
    "address": "789 19th Street",
    "city": "Los Angelas",
    "state_province": "CA",
    "zip_postal_code": "99999",
    "country_region": "USA",
    "web_page": null,
    "notes": null,
    "attachments": ""
  },
  {
    "id": 20,
    "company": "Company T",
    "last_name": "Li",
    "first_name": "George",
    "email_address": null,
    "job_title": "Purchasing Manager",
    "business_phone": "(123)555-0100",
    "home_phone": null,
    "mobile_phone": null,
    "fax_number": "(123)555-0101",
    "address": "789 20th Street",
    "city": "New York",
    "state_province": "NY",
    "zip_postal_code": "99999",
    "country_region": "USA",
    "web_page": null,
    "notes": null,
    "attachments": ""
  },
  {
```



```

    "id": 21,
    "company": "Company U",
    "last_name": "Tham",
    "first_name": "Bernard",
    "email_address": null,
    "job_title": "Accounting Manager",
    "business_phone": "(123) 555-0100",
    "home_phone": null,
    "mobile_phone": null,
    "fax_number": "(123) 555-0101",
    "address": "789 21th Street",
    "city": "Minneapolis",
    "state_province": "MN",
    "zip_postal_code": "99999",
    "country_region": "USA",
    "web_page": null,
    "notes": null,
    "attachments": ""
  },
  {
    "id": 22,
    "company": "Company V",
    "last_name": "Ramos",
    "first_name": "Luciana",
    "email_address": null,
    "job_title": "Purchasing Assistant",
    "business_phone": "(123) 555-0100",
    "home_phone": null,
    "mobile_phone": null,
    "fax_number": "(123) 555-0101",
    "address": "789 22th Street",
    "city": "Milwaukee",
    "state_province": "WI",
    "zip_postal_code": "99999",
    "country_region": "USA",
    "web_page": null,
    "notes": null,
    "attachments": ""
  },
  {
    "id": 23,
    "company": "Company W",
    "last_name": "Entin",
    "first_name": "Michael",
    "email_address": null,
    "job_title": "Purchasing Manager",
    "business_phone": "(123) 555-0100",
    "home_phone": null,
    "mobile_phone": null,
    "fax_number": "(123) 555-0101",
    "address": "789 23th Street",
    "city": "Portland",
    "state_province": "OR",
    "zip_postal_code": "99999",

```

```
    "country_region": "USA",
    "web_page": null,
    "notes": null,
    "attachments": ""
},
{
    "id": 24,
    "company": "Company X",
    "last_name": "Hasselberg",
    "first_name": "Jonas",
    "email_address": null,
    "job_title": "Owner",
    "business_phone": "(123) 555-0100",
    "home_phone": null,
    "mobile_phone": null,
    "fax_number": "(123) 555-0101",
    "address": "789 24th Street",
    "city": "Salt Lake City",
    "state_province": "UT",
    "zip_postal_code": "99999",
    "country_region": "USA",
    "web_page": null,
    "notes": null,
    "attachments": ""
},
{
    "id": 25,
    "company": "Company Y",
    "last_name": "Rodman",
    "first_name": "John",
    "email_address": null,
    "job_title": "Purchasing Manager",
    "business_phone": "(123) 555-0100",
    "home_phone": null,
    "mobile_phone": null,
    "fax_number": "(123) 555-0101",
    "address": "789 25th Street",
    "city": "Chicago",
    "state_province": "IL",
    "zip_postal_code": "99999",
    "country_region": "USA",
    "web_page": null,
    "notes": null,
    "attachments": ""
},
{
    "id": 26,
    "company": "Company Z",
    "last_name": "Liu",
    "first_name": "Run",
    "email_address": null,
    "job_title": "Accounting Assistant",
    "business_phone": "(123) 555-0100",
    "home_phone": null,
```

```

        "mobile_phone": null,
        "fax_number": "(123)555-0101",
        "address": "789 26th Street",
        "city": "Miami",
        "state_province": "FL",
        "zip_postal_code": "99999",
        "country_region": "USA",
        "web_page": null,
        "notes": null,
        "attachments": ""
    },
    {
        "id": 27,
        "company": "Company AA",
        "last_name": "Toh",
        "first_name": "Karen",
        "email_address": null,
        "job_title": "Purchasing Manager",
        "business_phone": "(123)555-0100",
        "home_phone": null,
        "mobile_phone": null,
        "fax_number": "(123)555-0101",
        "address": "789 27th Street",
        "city": "Las Vegas",
        "state_province": "NV",
        "zip_postal_code": "99999",
        "country_region": "USA",
        "web_page": null,
        "notes": null,
        "attachments": ""
    },
    {
        "id": 28,
        "company": "Company BB",
        "last_name": "Raghav",
        "first_name": "Amritansh",
        "email_address": null,
        "job_title": "Purchasing Manager",
        "business_phone": "(123)555-0100",
        "home_phone": null,
        "mobile_phone": null,
        "fax_number": "(123)555-0101",
        "address": "789 28th Street",
        "city": "Memphis",
        "state_province": "TN",
        "zip_postal_code": "99999",
        "country_region": "USA",
        "web_page": null,
        "notes": null,
        "attachments": ""
    },
    {
        "id": 29,
        "company": "Company CC",

```

```

        "last_name": "Lee",
        "first_name": "Soo Jung",
        "email_address": null,
        "job_title": "Purchasing Manager",
        "business_phone": "(123)555-0100",
        "home_phone": null,
        "mobile_phone": null,
        "fax_number": "(123)555-0101",
        "address": "789 29th Street",
        "city": "Denver",
        "state_province": "CO",
        "zip_postal_code": "99999",
        "country_region": "USA",
        "web_page": null,
        "notes": null,
        "attachments": ""
    }
}
}

```

2. REQUEST API

<http://localhost/websevice/api.php/records/orders>

The screenshot shows the Postman interface with a GET request to `http://localhost/websevice/api.php/records/orders` successfully executed. The response is a JSON array with one record.

Key	Value	Description
Key	Value	Description

```

1 {
2   "records": [
3     {
4       "id": 30,
5       "employee_id": 9,
6       "customer_id": 27,
7       "order_date": "2006-01-15 00:00:00",
8       "shipped_date": "2006-01-22 00:00:00",
9       "shipper_id": 2,
10      "ship_name": "Kazuo Toh",

```

<http://localhost/webservice/api.php/records/products>

Postman interface showing a GET request to `http://localhost/webservice/api.php/records/products`. The response is a 200 OK status with a JSON body containing product records.

Query Params

Key	Value	Description
Key	Value	Description

Body

```
{
  "records": [
    {
      "supplier_id": "4",
      "id": 1,
      "product_code": "NWTB-1",
      "product_name": "Northwind Traders Chai",
      "description": null,
      "standard_cost": "13.5000",
      "list price": "18.0000"
    }
  ]
}
```

<http://localhost/webservice/api.php/records/employees>

Postman interface showing a GET request to `http://localhost/webservice/api.php/records/employees`. The response is a 200 OK status with a JSON body containing employee records.

Query Params

Key	Value	Description
Key	Value	Description

Body

```
{
  "records": [
    {
      "id": 1,
      "company": "Northwind Traders",
      "last_name": "Freehafer",
      "first_name": "Nancy",
      "email_address": "nancy@northwindtraders.com",
      "job_title": "Sales Representative",
      "business phone": "(123) 555-0100"
    }
  ]
}
```

<http://localhost/websevice/api.php/records/suppliers>

The screenshot displays the Postman application interface. The top navigation bar includes 'Home', 'Workspaces', and 'API Network'. The main workspace is titled 'refinabella7011's Workspace'. On the left sidebar, there are sections for 'Collections', 'Environments', 'Flows', and 'History'. The 'Collections' section shows a collection named 'My first collection' with two folders: 'First folder inside collection' and 'Second folder inside collection'. Below this, a prompt says 'Create a collection for your requests' with a 'Create Collection' button. The main area shows a GET request to 'http://localhost/websevice/api.php/records/suppliers'. The request is successful, returning a 200 OK status with a response time of 67 ms and a body size of 3.67 KB. The response body is displayed in JSON format, showing an array of supplier records. The bottom status bar includes 'Online', 'Find and replace', 'Console', 'Runner', 'Start Proxy', 'Cookies', 'Vault', 'Trash', and a help icon.

refinabella7011's Workspace

Search Postman

GET https://slurp.ikpp.go.id/ GET http://localhost/websevice/api.php/records/suppliers

GET http://localhost/websevice/api.php/records/suppliers

Params Authorization Headers (7) Body Scripts Tests Settings Cookies

Query Params

Key	Value	Description
Key	Value	Description

Body Cookies Headers (7) Test Results

200 OK • 67 ms • 3.67 KB

```
{
  "records": [
    {
      "id": 1,
      "company": "Supplier A",
      "last_name": "Andersen",
      "first_name": "Elizabeth A.",
      "email_address": null,
      "job_title": "Sales Manager",
      "business_phone": null
    }
  ]
}
```

Online Find and replace Console Runner Start Proxy Cookies Vault Trash