

Materia:

Plataformas Digitales de Negocio

Docente:

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Curso:

GIG-S-MA-4-1

Tema:

Consumir un API REST - Empleados

Estudiante:

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Ciclo:

2023-2024-CII

Fecha:

Viernes 21 de Diciembre/2023

Capturas del Código

The screenshot displays a code editor interface with a dark theme. The top bar shows the project name 'Tarea PDN23' and the version control status. The left sidebar shows the project structure with files 'main.py', 'MOLDE PDN.docx', 'tarea_23.py', and '~\$LDE PDN.docx'. The main editor area shows the code for 'tarea_23.py'.

```
1 import requests
2
3 url = 'https://dummy.restapiexample.com/api/v1/employees'
4 empleados = requests.get(url).json()
5 print(empleados)
6
7 if empleados['status'] == 'success':
8     lista_empleados = empleados['data']
9
```

The output window shows the JSON response from the API, which is a list of employee records. The output is as follows:

```
Gaines', 'employee_salary': 90560, 'employee_age': 30, 'profile_image': '', {'id': 12, 'employee_name': 'Quinn Flynn', 'employee_salary': 342000, 'employee_age': 22, 'profile_image': ''}, {'id': 13, 'employee_name': 'Charde Marshall', 'employee_salary': 470600, 'employee_age': 36, 'profile_image': ''}, {'id': 14, 'employee_name': 'Haley Kennedy', 'employee_salary': 313500, 'employee_age': 43, 'profile_image': ''}, {'id': 15, 'employee_name': 'Tatyana Fitzpatrick', 'employee_salary': 385750, 'employee_age': 19, 'profile_image': ''}, {'id': 16, 'employee_name': 'Michael Silva', 'employee_salary': 198500, 'employee_age': 66, 'profile_image': ''}, {'id': 17, 'employee_name': 'Paul Byrd', 'employee_salary': 725000, 'employee_age': 64, 'profile_image': ''}, {'id': 18, 'employee_name': 'Gloria Little', 'employee_salary': 237500, 'employee_age': 59, 'profile_image': ''}, {'id': 19, 'employee_name': 'Bradley Greer', 'employee_salary': 132000, 'employee_age': 41, 'profile_image': ''}, {'id': 20, 'employee_name': 'Dai Rios', 'employee_salary': 217500, 'employee_age': 35, 'profile_image': ''}, {'id': 21, 'employee_name': 'Jenette Caldwell', 'employee_salary': 345000, 'employee_age': 30, 'profile_image': ''}, {'id': 22, 'employee_name': 'Yuri Berry', 'employee_salary': 675000, 'employee_age': 40, 'profile_image': ''}, {'id': 23, 'employee_name': 'Caesar Vance', 'employee_salary': 106450, 'employee_age': 21, 'profile_image': ''}, {'id': 24, 'employee_name': 'Doris Wilder', 'employee_salary': 85600, 'employee_age': 23, 'profile_image': ''}], 'message': 'Successfully! All records has been fetched.'}
Promedio de salario: 276865.4166666667
Promedio de edad: 42.125
Salario mínimo: 85600
Salario máximo: 725000
Edad mínima: 19
Edad máxima: 66
Process finished with exit code 0
```

The bottom status bar shows the file path 'Tarea PDN23 > tarea_23.py', the time '13:31', the encoding 'CRLF', the file encoding 'UTF-8', the indentation '4 spaces', and the Python version 'Python 3.10'.

The screenshot shows a code editor with a project named 'Tarea PDN23'. The project files include 'main.py', 'MOLDE PDN.docx', 'tarea_23.py', and '~\$LDE PDN.docx'. The 'tarea_23.py' file is open, displaying a Python script that calculates statistics for a list of employees. The script includes comments in Spanish and uses variables to track total salary, total age, and minimum/maximum salary and age. The script is currently running, as indicated by the 'Run' button and the 'Run' tab at the bottom.

```
7 if empleados['status'] == 'success':
8     lista_empleados = empleados['data']
9
10    #variables para los cálculos
11    total_salario = 0
12    total_edad = 0
13    salario_min = float('-inf')
14    salario_max = float('-inf')
15    edad_min = float('-inf')
16    edad_max = float('-inf')
17
18    for empleado in lista_empleados:
19        salario = int(empleado['employee_salary'])
20        edad = int(empleado['employee_age'])
21
22        total_salario += salario
23        total_edad += edad
24
25        if salario < salario_min:
26            salario_min = salario
27        if salario > salario_max:
28            salario_max = salario
29
30        if edad < edad_min:
31            edad_min = edad
32        if edad > edad_max:
33            edad_max = edad
34
35    # Calculo de los promedios
36    if empleados['status'] == 'succ...
```

The bottom status bar shows the file encoding as UTF-8, 4 spaces, and Python 3.10. The system tray at the bottom indicates the time is 22:05 on 21/12/2023.

The screenshot displays the PyCharm IDE interface. The top toolbar shows the 'Run' button (a green play icon) and a status bar indicating 'Python 3.10'. The left sidebar shows the 'Project' view with the file 'tarea_23.py' selected. The main editor window shows the code in 'tarea_23.py'.

```
34
35     # Calculo de los promedios
36     promedio_salario = total_salario / len(lista_empleados)
37     promedio_edad = total_edad / len(lista_empleados)
38
39     print(f"Promedio de salario: {promedio_salario}")
40     print(f"Promedio de edad: {promedio_edad}")
41     print(f"Salario mínimo: {salario_min}")
42     print(f"Salario máximo: {salario_max}")
43     print(f"Edad mínima: {edad_min}")
44     print(f"Edad máxima: {edad_max}")
45 else:
46     print("Error al obtener los datos de los empleados")
```

Below the code editor, the 'Run' console shows the output of the script:

```
if empleados['status'] == 'succ...
{'employee_name': 'Dai Kios', 'employee_salary': 217500, 'employee_age': 35, 'profile_image': ''}, {'id': 21, 'employee_name': 'Jenette Caldwell', 'employee_salary': 345000,
'employee_age': 30, 'profile_image': ''}, {'id': 22, 'employee_name': 'Yuri Berry', 'employee_salary': 675000, 'employee_age': 40, 'profile_image': ''}, {'id': 23,
'employee_name': 'Caesar Vance', 'employee_salary': 106450, 'employee_age': 21, 'profile_image': ''}, {'id': 24, 'employee_name': 'Doris Wilder', 'employee_salary': 85600,
'employee_age': 23, 'profile_image': ''}], 'message': 'Successfully! All records has been fetched.'}
Promedio de salario: 276865.4166666667
Promedio de edad: 42.125
Salario mínimo: 85600
Salario máximo: 725000
Edad mínima: 19
Edad máxima: 66
Process finished with exit code 0
```

The bottom status bar shows the file path 'Tarea PDN23 > tarea_23.py', the time '13:31', and the encoding 'CRLF UTF-8 4 spaces Python 3.10'.

