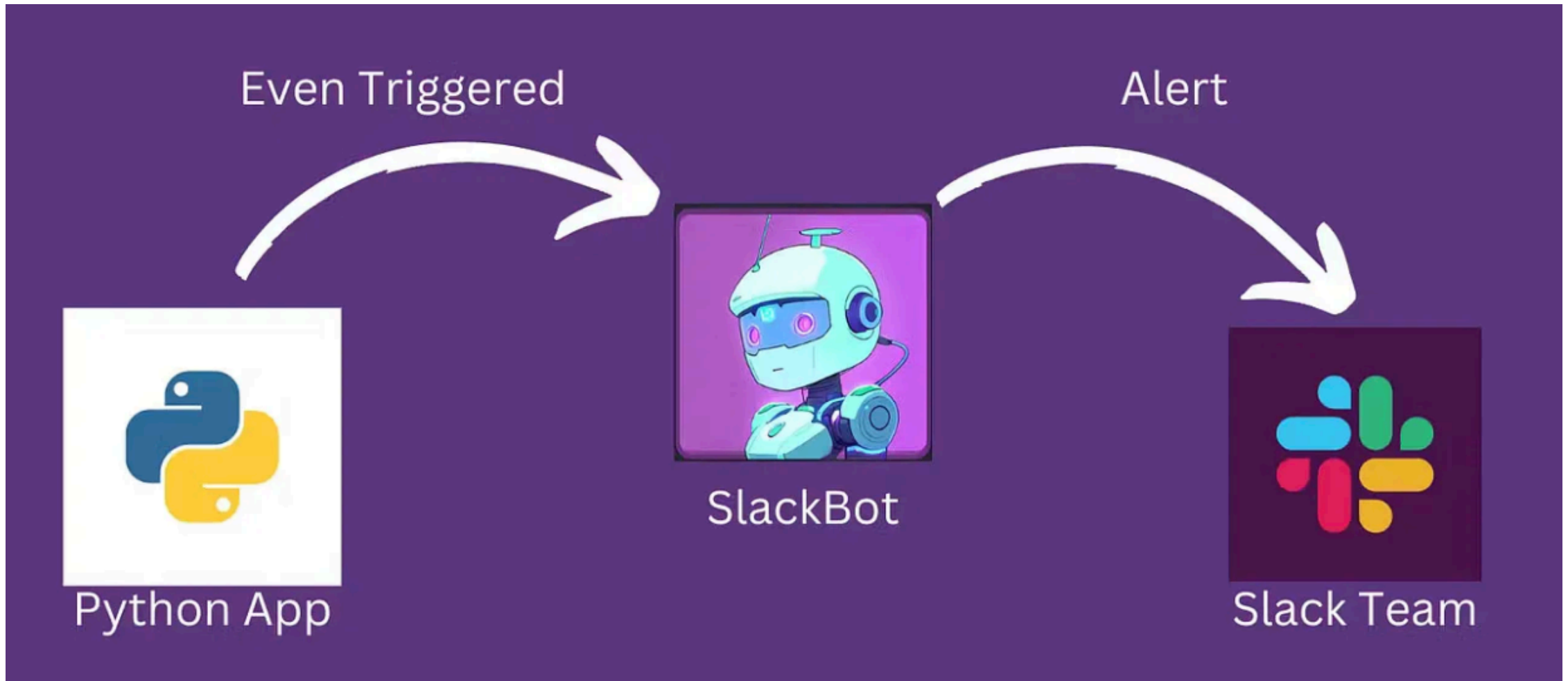


Slackbot with Python



Alarm 예제

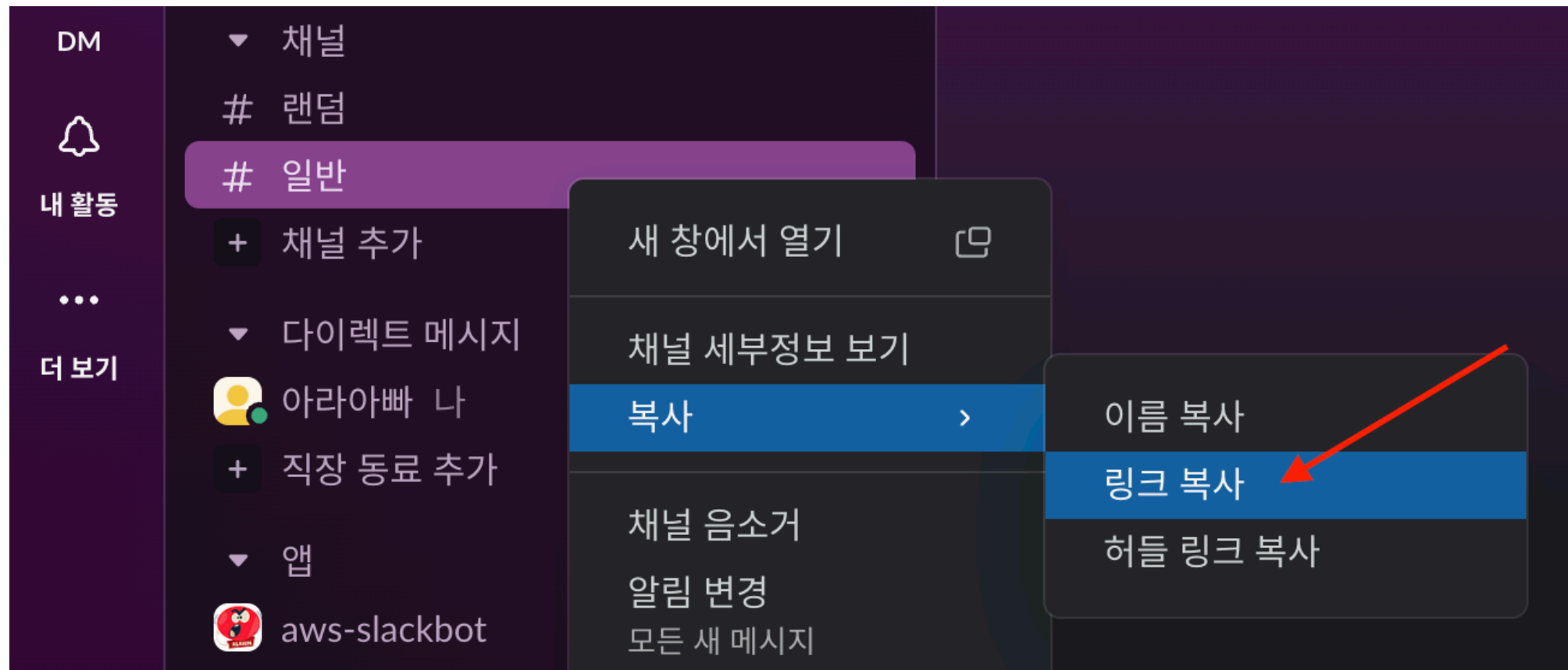
단계1: Slack 모듈 설치

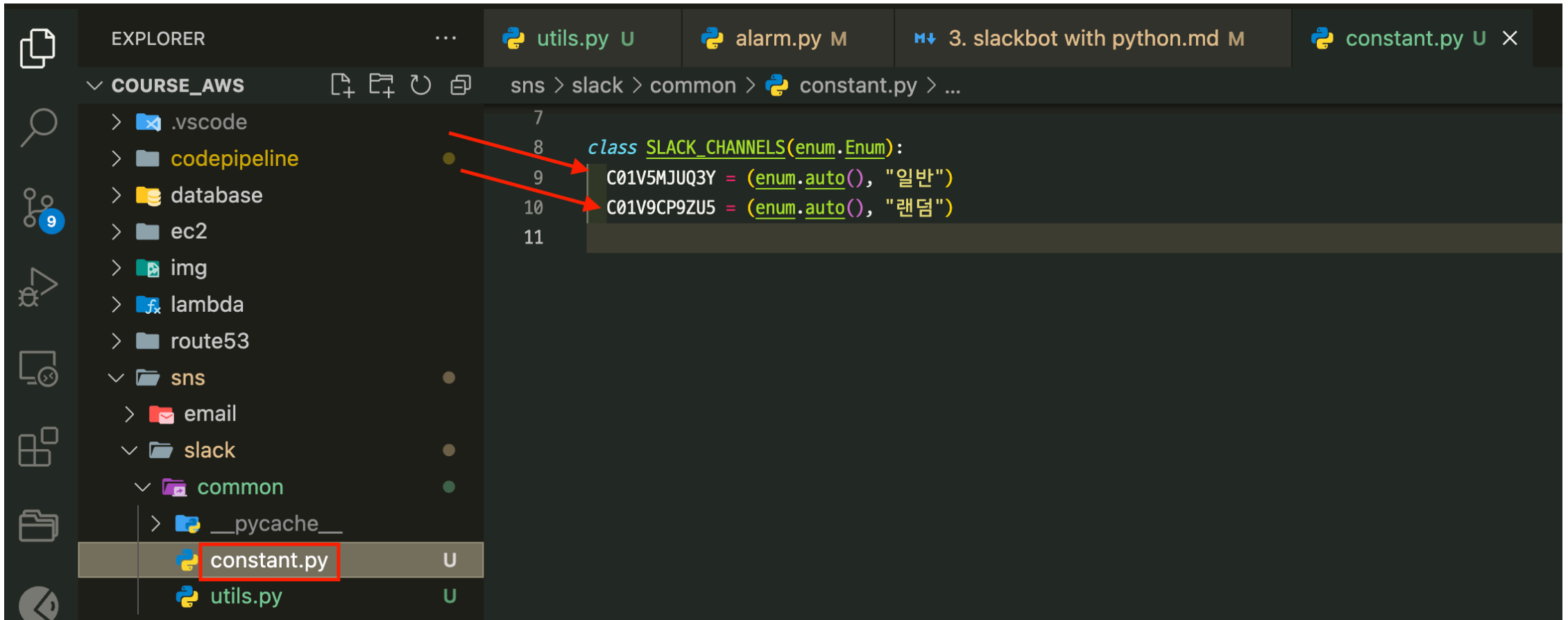
```
python -m pip install --upgrade pip
pip install slack_sdk
```

```
(web-venv) good593 🍒 ➤ ~/dev/github/course_aws/sns/slack ➤ ⌕ dev ±
● ▶ pip install slack_sdk slack_bolt
Collecting slack_sdk
  Downloading slack_sdk-3.33.4-py2.py3-none-any.whl.metadata (15 kB)
Collecting slack_bolt
  Downloading slack_bolt-1.21.2-py2.py3-none-any.whl.metadata (11 kB)
Downloading slack_sdk-3.33.4-py2.py3-none-any.whl (292 kB)
Downloading slack_bolt-1.21.2-py2.py3-none-any.whl (229 kB)
Installing collected packages: slack_sdk, slack_bolt
Successfully installed slack_bolt-1.21.2 slack_sdk-3.33.4
(web-venv) good593 🍒 ➤ ~/dev/github/course_aws/sns/slack ➤ ⌕ dev ±
○ ▶ █
```

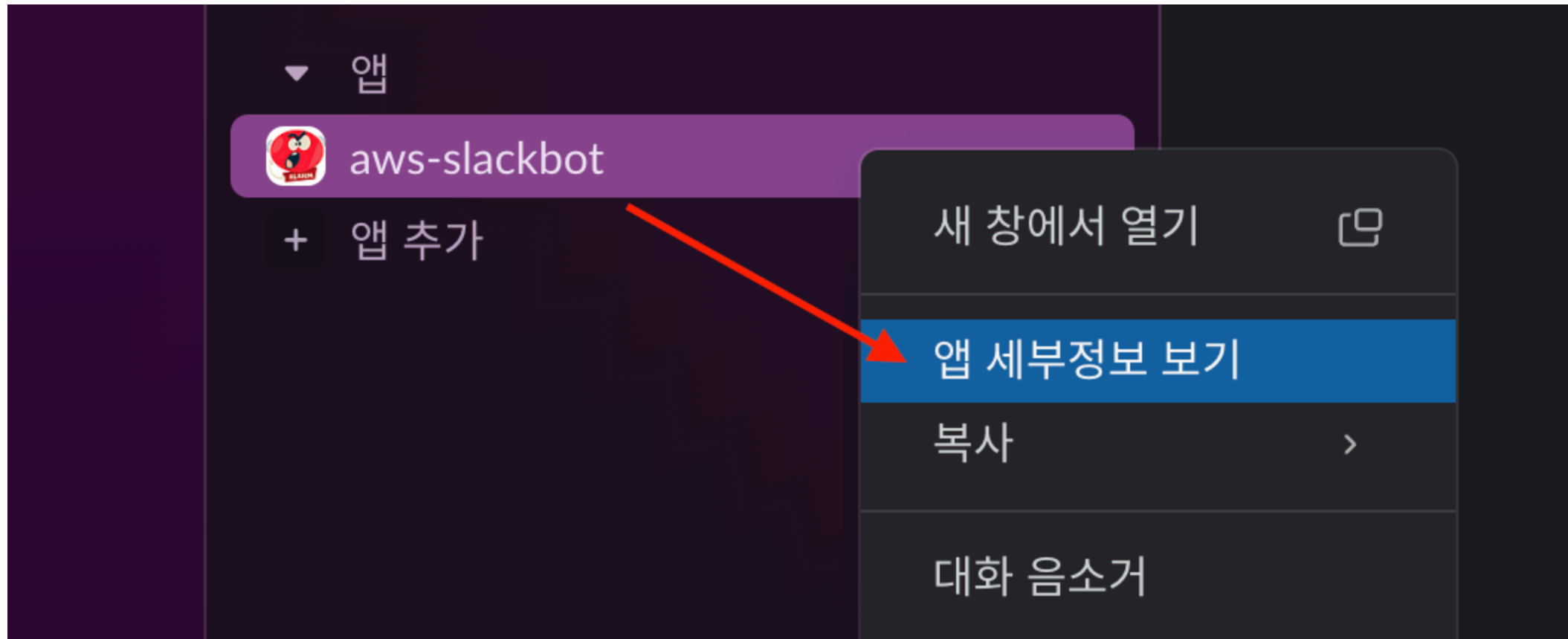
단계2: 채널 아이디 확인 및 적용

<https://aws-slack-tutorial.slack.com/archives/채널아이디>
<https://aws-slack-tutorial.slack.com/archives/C01V5MJUQ3Y>





단계3: 채널에 슬랙 봇 추가



+ 이 앱을 채널에 추가

⚙ 구성

채널에 aws-slackbot 추가



채널 선택



랜덤

일반

추가

DM

내 활동

...

더 보기

+

▼ 채널

랜덤

일반

+ 채널 추가

▼ 다이렉트 메시지

아라아빠 나


+ 직장 동료 추가

▼ 앱


aws-slackbot

+ 앱 추가

공지와 회사 뉴스, 향후 이벤트 또는 칭찬받아야 하는 팀원에 대한 업데이트를 공유하세요. ★

 **환영 메시지 맞춤화**
짧은 비디오 클립 기록

오늘 ▼

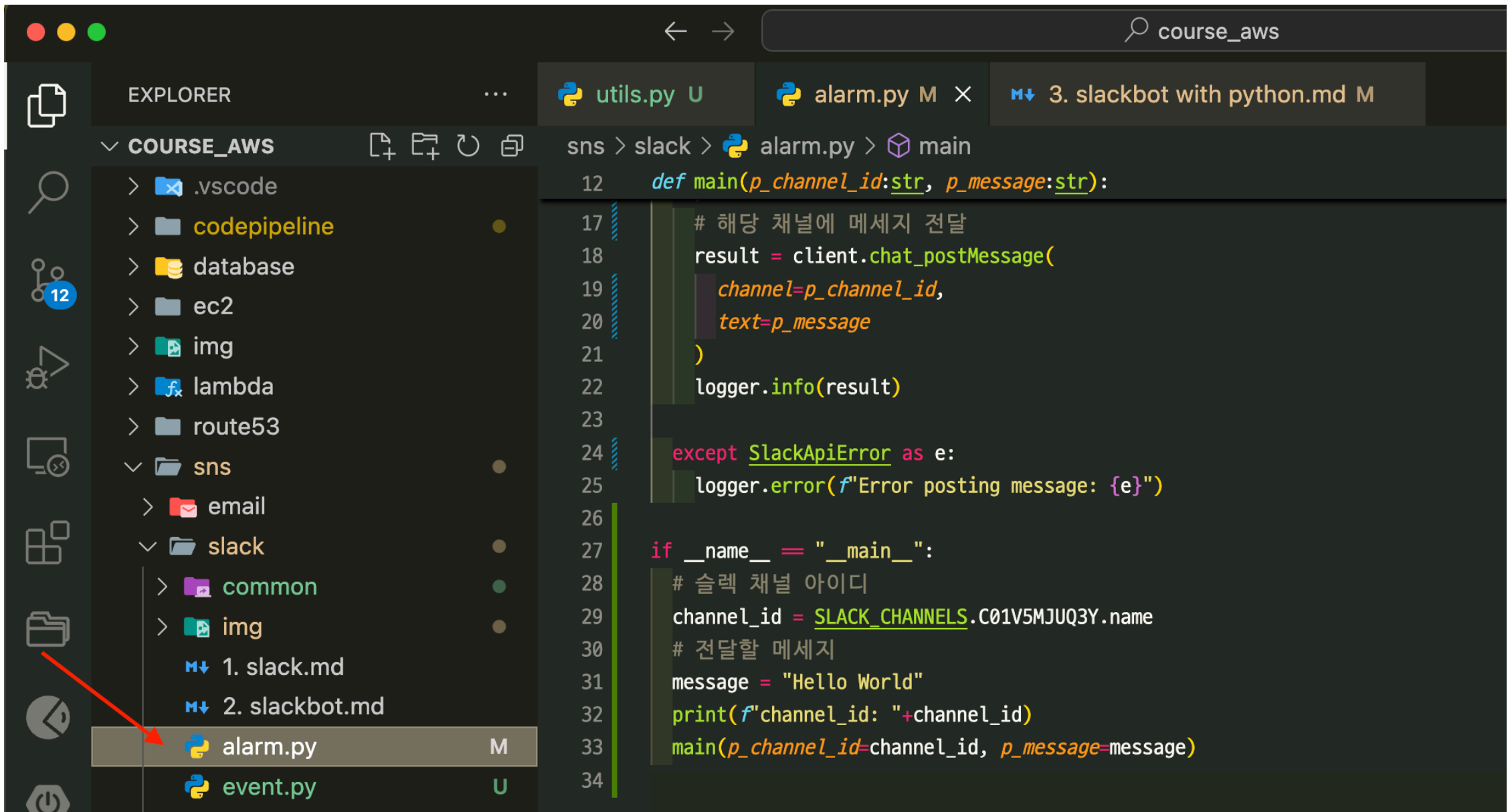
 **aws-slackbot** 앱 오전 11:00
아라아빠 님에 의해 #일반에 추가되었습니다.

B I ≡ | 🔗 | ½ ≡ ≡ ≡ ≡ ≡ | </> ↻

#일반에 메시지 보내기

단계3: alarm.py 확인

```
...  
# 슬랙서버로 메시지를 전달할 객체  
client = WebClient(token=os.environ.get('SLACK_BOT_TOKEN', None))  
# 해당 채널에 메시지 전달  
result = client.chat_postMessage(  
    channel=p_channel_id, # 채널 아이디  
    text=p_message # 전달할 메시지  
)  
...
```



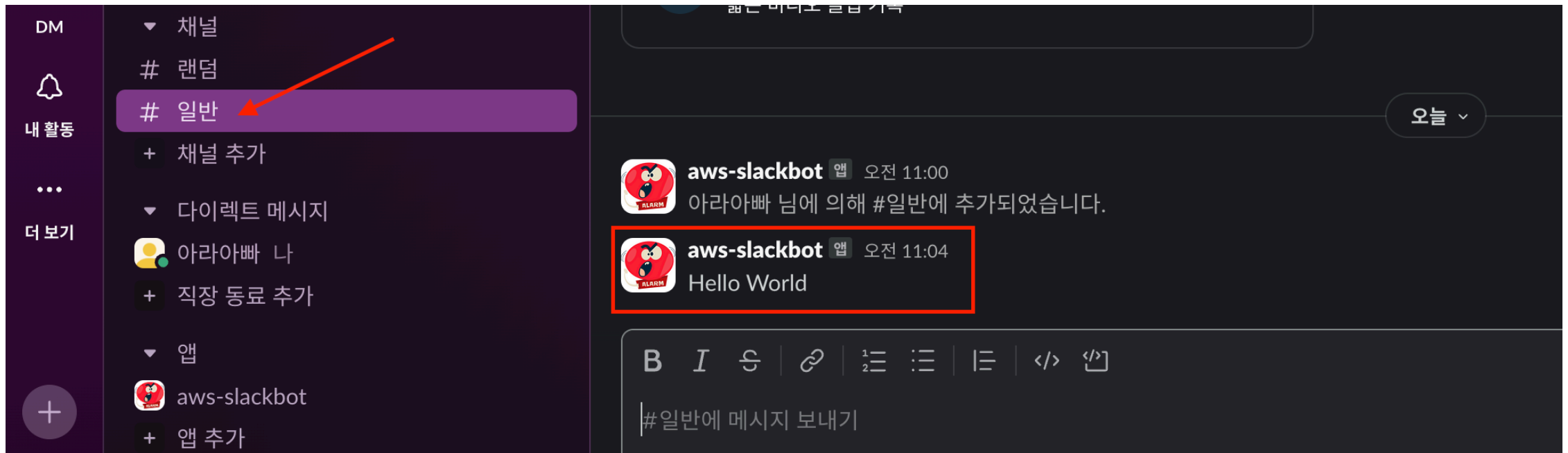
단계4: alarm.py 실행

```
sns > slack > alarm.py > ...
27
28 if __name__ == "__main__":
29     # 슬랙 채널 아이디
30     channel_id = SLACK_CHANNELS.C01V5MJUQ3Y.name
31     # 전달할 메시지
32     message = "Hello World"
33     main(p_channel_id=channel_id, p_message=message)
34
```

PROBLEMS 2 OUTPUT TERMINAL PORTS POSTMAN CONSOLE DEBUG CONSOLE Python + -

```
/Users/gyoungwon-cho/.pyenv/versions/3.11.3/envs/web-venv/bin/python /Users/gyoungwon-cho/dev/github/course_aws/sns/slack/alarm.py
(web-venv) good593 ~ /dev/github/course_aws dev ±
▶ /Users/gyoungwon-cho/.pyenv/versions/3.11.3/envs/web-venv/bin/python /Users/gyoungwon-cho/dev/github/course_aws/sns/slack/alarm.py
(web-venv) good593 ~ /dev/github/course_aws dev ±
```

단계5: slack에서 확인



Event 예제

단계1: Slack 모듈 설치

```
python -m pip install --upgrade pip
pip install slack_bolt
```

```
(web-venv) good593 🍒 ➤ ~/dev/github/course_aws/sns/slack ➤ ↶ dev ±
● ▶ pip install slack_sdk slack_bolt
Collecting slack_sdk
  Downloading slack_sdk-3.33.4-py2.py3-none-any.whl.metadata (15 kB)
Collecting slack_bolt
  Downloading slack_bolt-1.21.2-py2.py3-none-any.whl.metadata (11 kB)
Downloading slack_sdk-3.33.4-py2.py3-none-any.whl (292 kB)
Downloading slack_bolt-1.21.2-py2.py3-none-any.whl (229 kB)
Installing collected packages: slack_sdk, slack_bolt
Successfully installed slack_bolt-1.21.2 slack_sdk-3.33.4
(web-venv) good593 🍒 ➤ ~/dev/github/course_aws/sns/slack ➤ ↶ dev ±
○ ▶ █
```

단계2: event.py 확인

```
...
app = App(
    token=os.environ.get('SLACK_BOT_TOKEN', None),
    signing_secret=os.environ.get('SLACK_BOT_TOKEN', None)
)

@app.message("hello")
def message_hello(message, say):
    say(f"Hey there <@{message['user']}>!")
...
```

단계3: event.py 실행

```
sns > slack > event.py > ...  
46 def action_button_click(body, ack, say):  
47     # Acknowledge the action  
48     ack()  
49     say(f"<@{body['user']['id']}> clicked the button")  
50  
51  
52 if __name__ == "__main__":  
53     SocketModeHandler(app, os.environ.get('SLACK_APP_TOKEN', None)).start()  
54
```

PROBLEMS 2 OUTPUT TERMINAL PORTS POSTMAN CONSOLE DEBUG CONSOLE

```
/Users/gyoungwon-cho/.pyenv/versions/3.11.3/envs/web-venv/bin/python /Users/gyoungwon-cho/dev/github/course_aws/sns/slack/event.py  
(web-venv) good593 ~ /dev/github/course_aws dev ±  
▶ /Users/gyoungwon-cho/.pyenv/versions/3.11.3/envs/web-venv/bin/python /Users/gyoungwon-cho/dev/github/course_aws/sns/slack/event.py  
✓ Bolt app is running!
```

zsh
Python

단계4: slack에서 확인

The screenshot shows the Slack interface with a dark theme. On the left sidebar, the channel list includes '홈' (Home), 'DM', '채널' (Channels), and '다이렉트 메시지' (Direct Messages). The channel '# 랜덤' (Random) is selected. The main chat area shows a conversation with 'aws-slackbot' and '아라아빠' (Araappa). The messages are as follows:


- aws-slackbot (오전 11:02): 아라아빠 님에 의해 #랜덤에 추가되었습니다.
- 아라아빠 (오후 4:29): hello
- aws-slackbot (오후 4:29): Hey there @아라아빠!
- 아라아빠 (오후 4:29): show button
- aws-slackbot (오후 4:29): Hey there @아라아빠!
- @아라아빠 clicked the button

Red arrows highlight the following elements:

- The channel name '# 랜덤' in the sidebar.
- The '@아라아빠!' mentions in the messages from aws-slackbot.
- The 'Click Me' button in the message from @아라아빠.


The bottom of the screen shows the message input area with a text field containing '#랜덤에 메시지 보내기' (Send message to #랜덤) and a toolbar with various formatting options.

Slack - Block Kit

 **Block Kit Builder** ?

Copy Payload

Clear Blocks

 aws-slack-tutor ▼


Send to Slack

Aa

Section

- + plain text
- + mrkdwn
- + text fields
- + users select
- + static select
- + multi static select
- + multi conversations select
- + button

Message Preview ▼ Desktop ▼ Light ▼ Templates

 **Your App** 앱 오전 2:37

1990/04/28 ▼

...

Click Me

Payload

Actions Preview

```
1 {
2   "blocks": [
3     {
4       "type": "actions",
5       "block_id": "actionblock789",
6       "elements": [
7         {
8           "type": "datepicker",
9           "action_id": "datepicker123",
10          "initial_date": "1990-04-28",
11          "placeholder": {
12            "type": "plain_text",
13            "text": "Select a date"
14          }
15        }
16      ]
17    }
18  ]
19 }
```

18