

# Praktikum Pemrosesan Data

Dosen Pengampu Edi Satriyanto S.Si., M.Si

Bot Telegram

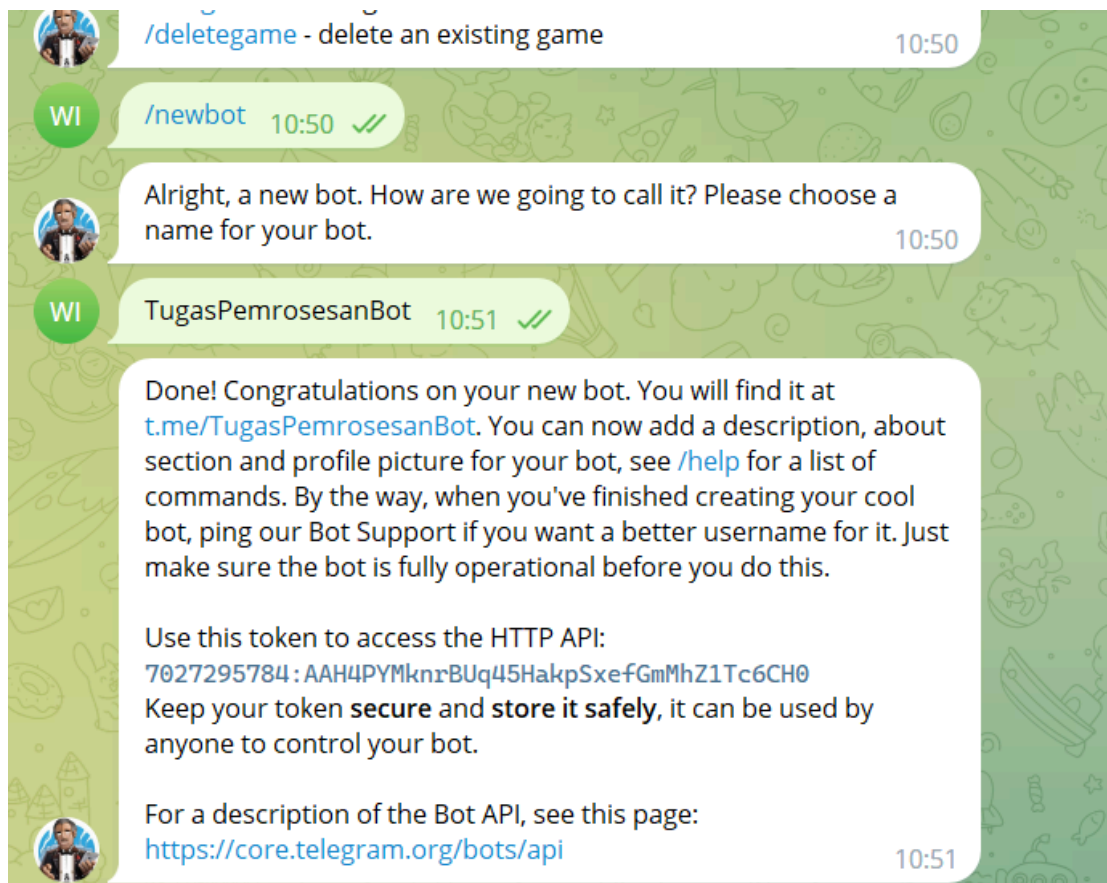


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Pertama-tama saya menginisiasi terlebih dahulu API untuk pembuatan Bot baru di @Botfather, kemudian saya mnginisiasi codingannya di python vscode local

```
In [ ]: import telebot
import time, threading, schedule

API_TOKEN = '7027295784:AAH4PYMknrBUq45HakpSxefGmMhZ1Tc6CH0'

bot = telebot.TeleBot(API_TOKEN)
@bot.message_handler(commands=['start', 'hello', 'waduh'])

def send_welcome(message):
    bot.reply_to(message, "Halo, selamat pagi")

@bot.message_handler(func=lambda msg: True)
def echo_all(message):
    bot.reply_to(message, message.text)

@bot.message_handler(commands=['help', 'start'])
def send_welcome(message):
    bot.reply_to(message, "Hi! Use /set <seconds> to set a timer")

def beep(chat_id) -> None:
    """Send the beep message."""
    bot.send_message(chat_id, text='Beep!')
```

```

@bot.message_handler(commands=['set'])
def set_timer(message):
    args = message.text.split()
    if len(args) > 1 and args[1].isdigit():
        sec = int(args[1])
        schedule.every(sec).seconds.do(beep, message.chat.id).tag(message.chat.id)
    else:
        bot.reply_to(message, 'Usage: /set <seconds>')

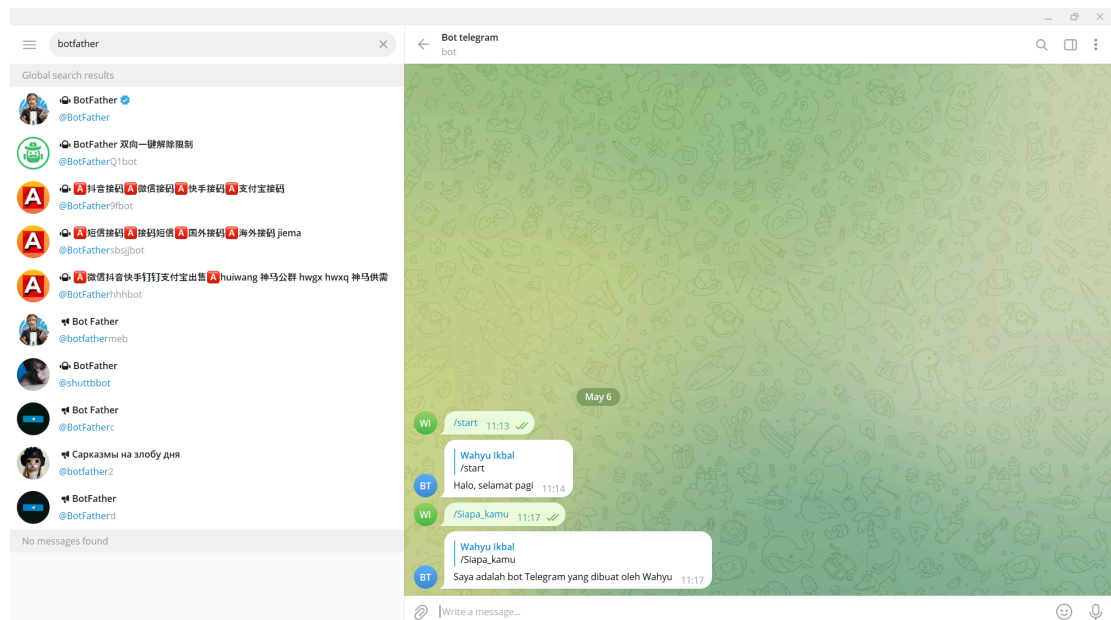
@bot.message_handler(commands=['unset'])
def unset_timer(message):
    schedule.clear(message.chat.id)

if __name__ == '__main__':
    threading.Thread(target=bot.infinity_polling, name='bot_infinity_polling', daemon=True).start()
    while True:
        schedule.run_pending()
        time.sleep(1)

bot.infinity_polling()

```

Kemudian saya membuat kode sederhana untuk menampilkan feedback jika diberi perintah-perintah tertentu dan kode untuk perintah timer dan stopwatch



Disini saya membuat program spesifik, alih alih hanya menampilkan gambar dan audio, disini saya membuat semacam

# kuis interaktif tapi dalam bentuk informasi zodiak, berikut detail kode nya dan screenshотnya

```
In [ ]: import requests

def get_daily_horoscope(sign: str, day: str) -> dict:
    url = "https://horoscope-app-api.vercel.app/api/v1/get-horoscope/daily"
    params = {"sign": sign, "day": day}
    response = requests.get(url, params)

    return response.json()

{
  "data": {
    "date": "Dec 15, 2022",
    "horoscope_data": "Lie low during the day and try not to get caught up in",
  },
  "status": 200,
  "success": true
}

@bot.message_handler(commands=['horoscope'])
def sign_handler(message):
    text = "What's your zodiac sign?\nChoose one: *Aries*, *Taurus*, *Gemini*, *"
    sent_msg = bot.send_message(message.chat.id, text, parse_mode="Markdown")
    bot.register_next_step_handler(sent_msg, day_handler)

def day_handler(message):
    sign = message.text
    text = "What day do you want to know?\nChoose one: *TODAY*, *TOMORROW*, *YES"
    sent_msg = bot.send_message(
        message.chat.id, text, parse_mode="Markdown")
    bot.register_next_step_handler(
        sent_msg, fetch_horoscope, sign.capitalize())

def fetch_horoscope(message, sign):
    day = message.text
    horoscope = get_daily_horoscope(sign, day)
    data = horoscope["data"]
    horoscope_message = f'*Horoscope:* {data["horoscope_data"]}\n*Sign:* {sign}'
    bot.send_message(message.chat.id, "Here's your horoscope!")
    bot.send_message(message.chat.id, horoscope_message, parse_mode="Markdown")
```

Leo, Virgo, Libra, Scorpio, Sagittarius,  
Capricorn, Aquarius, and Pisces.

11:18 AM

Capricorn

11:18 AM ✓✓

What day do you want to know?  
Choose one: **TODAY, TOMORROW,**  
**YESTERDAY**, or a date in format  
YYYY-MM-DD.

11:18 AM

Today

11:18 AM ✓✓

Here's your horoscope! 11:18 AM

**Horoscope:** Lie low during the day and  
try not to get caught up in the frivolous  
verbiage that dominates the waking hours.  
After sundown, feel free to speak your mind.  
You may notice that there is a sober tone  
and restrictive sensation today that leaves  
you feeling like you will never be able to  
break free from your current situation. Don't  
get caught in this negative mindset.

**Sign:** Capricorn

**Day:** Dec 15, 2022

11:18 AM

😊 Message



GIF



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Capricorn, Aquarius, and Pisces.

11:18 AM

Aries 11:18 AM ✓✓

What day do you want to know?  
Choose one: **TODAY, TOMORROW,**  
**YESTERDAY**, or a date in format  
YYYY-MM-DD.

11:18 AM

[2022-11-20](#) 11:19 AM ✓✓

Here's your horoscope! 11:19 AM

**Horoscope:** There is a possibility that you feel cheated or taken advantage of in some way. Do you feel as if you're paying more than your fair share? The day ahead gives you an opportunity to achieve recognition for your efforts and perhaps redress some grievances. It's odd that despite your tendency to espouse fairness, you feel uncomfortable when the authorities rule in your favor.

**Sign:** Aries

**Day:** Nov 20, 2022

11:19 AM

Message

