

Langage de Programmation Scientifique

Python

Python is a general-purpose object-oriented programming language that is becoming more and more popular.

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Guido van Rossum 1989-1991



Naming.... Snake ?

Naming.... Snake ? **Nope....**



Monty Python (British comedy group)

```
file Edit Selection Find View Goto Tools Project Preferences Help
game.py x
117
118 while not game_over:
119     for event in pygame.event.get():
120         if event.type== pygame.QUIT:
121             sys.exit()
122         if event.type==pygame.MOUSEMOTION:
123             pygame.draw.rect(screen,BLACK,(0,0,width,SQUARESIZE) )
124             posx=event.pos[0]
125             if turn==0:
126                 screen.blit(George, (posx,int(SQUARESIZE/2)-40))
127                 #pygame.draw.circle(screen,RED,(posx,int(SQUARESIZE/2)),RADIUS)
128             else:
129                 screen.blit(Mariam, (posx,int(SQUARESIZE/2)-40))
130                 #pygame.draw.circle(screen,YELLOW,(posx, int(SQUARESIZE/2)),RADIUS)
131             pygame.display.update()
132
133
134
135
136
137     if event.type == pygame.MOUSEBUTTONDOWN and flag==1:
138         #ask player 1 input
139         print(event.pos)
140         if turn %2 ==0:
141             posx=event.pos[0]
142             col=int(math.floor(posx/SQUARESIZE))
143             if is_valid_location(board,col):
144                 row=get_next_open_row(board,col)
145                 drop_piece(board,row,col,1)
146                 if winning_move(board,1):
147                     print("hi")
148                     winning()
149                     flag=0
150
151             if turn < 0 --1.
```

Why Python

- Easy to read and learn
- Open source (similar to English)
- Vast support libraries for various purposes
- Portability: the same scripts work any platform
- Well paid 😊

Cons in Python

- Python is slow
- Not good for mobile development
- Not good for memory intensive tasks

Where Python is used

- Web Development (Flask, Django, Plone , etc.)
- GUIs (Tk GUI, Kivy)
- Data analysis and Machine learning,
visiualization (Pandas, TensorFlow, Matplotlib)
- Scientific and Numeric (Numpy, Sympy)
- Robotics (Pyro, DART, PyRobot, etc.)
- Telecommunication and networking (socketserver)

Websites built by Python



Uber

NETFLIX



Python developer average salary in France

Salaire de base moyen

49 020 € / an

Nombre de rapports insuffisant pour indiquer la répartition des salaires



Combien gagne une personne au poste de Développeur Python ?

Le salaire moyen pour le poste de Développeur Python est de €49 020 en France. Filtrez par ville pour voir les salaires pour le poste de Développeur Python dans votre région. Nos estimations de salaires sont basées sur 2 salaires postés anonymement sur Glassdoor par des employés occupant le poste de Développeur Python.

[Moins](#)

Source Glassdoor

