

```
mmy02@dorovskikh MINGW64 ~/OneDrive/Desktop/ДЗ/SURPO (main)
$ git log --oneline
359fe59 (HEAD -> main) added new
49784b6 INIT: БАЗОВАЯ ЗАРПЛАТА, fixed
d925707 feat: добавил премию за проекты
2574623 feat: добавил налоги
f2dc1bc feat: добавил валидацию
a8bddd init: базовая зарплата
bc56512 (origin/main, origin/dev, dev) lab2
```

1

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mmy02@dorovskikh MINGW64 ~/OneDrive/Desktop/ДЗ/SURPO (main)
$ git add salary.py

mmy02@dorovskikh MINGW64 ~/OneDrive/Desktop/ДЗ/SURPO (main)
$ git commit -m "init: базовая зарплата"
[main a8bddd] init: базовая зарплата
1 file changed, 20 insertions(+)
create mode 100644 salary.py
```

2

```
mmy02@dorovskikh MINGW64 ~/OneDrive/Desktop/ДЗ/SURPO (main)
$ git add salary.py

mmy02@dorovskikh MINGW64 ~/OneDrive/Desktop/ДЗ/SURPO (main)
$ git commit -m "feat: добавил валидацию"
[main f2dc1bc] feat: добавил валидацию
1 file changed, 4 insertions(+), 2 deletions(-)
```

3

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mmy02@dorovskikh MINGW64 ~/OneDrive/Desktop/ДЗ/SURPO (main)
$ git add salary.py

mmy02@dorovskikh MINGW64 ~/OneDrive/Desktop/ДЗ/SURPO (main)
$ git commit -m "feat: добавил налоги"
[main 2574623] feat: добавил налоги
1 file changed, 7 insertions(+), 1 deletion(-)
```

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```
mmy02@dorovskikh MINGW64 ~/OneDrive/Desktop/ДЗ/SURPO (main)
$ git add salary.py

mmy02@dorovskikh MINGW64 ~/OneDrive/Desktop/ДЗ/SURPO (main)
$ git commit -m "feat: добавил премию за проекты"
[main d925707] feat: добавил премию за проекты
1 file changed, 11 insertions(+), 6 deletions(-)
```

```

mmy02@dorovskikh MINGW64 ~/OneDrive/Desktop/ДЗ/SURPO ((2574623...)|BISECTING)
$ git bisect start HEAD HEAD~3
Previous HEAD position was 2574623 feat: добавил налоги
Switched to branch 'main'
Your branch is ahead of 'origin/main' by 4 commits.
  (use "git push" to publish your local commits)
Bisecting: 0 revisions left to test after this (roughly 1 step)
[f2dc1bc600767e61c5f2cb61d0613c22253e271b] feat: добавил валидацию

mmy02@dorovskikh MINGW64 ~/OneDrive/Desktop/ДЗ/SURPO ((f2dc1bc...)|BISECTING)
$ python -c "import salary; print(salary.calculate_total(160, 1000, 3))"
208000.0

mmy02@dorovskikh MINGW64 ~/OneDrive/Desktop/ДЗ/SURPO ((f2dc1bc...)|BISECTING)
$ git bisect bad
Bisecting: 0 revisions left to test after this (roughly 0 steps)
[a8bdddaf26cf31760756f5c9b7a44394c5e275fd] init: базовая зарплата

mmy02@dorovskikh MINGW64 ~/OneDrive/Desktop/ДЗ/SURPO ((a8bdddaf...)|BISECTING)
$ python -c "import salary; print(salary.calculate_total(160, 1000, 3))"
208000.0

mmy02@dorovskikh MINGW64 ~/OneDrive/Desktop/ДЗ/SURPO ((a8bdddaf...)|BISECTING)
$ git bisect bad
a8bdddaf26cf31760756f5c9b7a44394c5e275fd is the first bad commit
commit a8bdddaf26cf31760756f5c9b7a44394c5e275fd
Author: Dorovskikh <mmy0.2mail@gmail.com>
Date:   Mon Mar 2 12:56:23 2026 +0300

    init: базовая зарплата

salary.py | 20 ++++++
1 file changed, 20 insertions(+)
create mode 100644 salary.py

mmy02@dorovskikh MINGW64 ~/OneDrive/Desktop/ДЗ/SURPO ((a8bdddaf...)|BISECTING)
$ git bisect reset
Previous HEAD position was a8bdddaf init: базовая зарплата
Switched to branch 'main'
Your branch is ahead of 'origin/main' by 4 commits.
  (use "git push" to publish your local commits)

```

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mmy02@dorovskikh MINGW64 ~/OneDrive/Desktop/ДЗ/SURPO (main)
$ git show a8bddda
commit a8bdddaf26cf31760756f5c9b7a44394c5e275fd
Author: Dorovskikh <mmy0.2mail@gmail.com>
Date: Mon Mar 2 12:56:23 2026 +0300

    init: базовая зарплата

diff --git a/salary.py b/salary.py
new file mode 100644
index 0000000..31e193c
--- /dev/null
+++ b/salary.py
@@ -0,0 +1,20 @@
+def calculate_salary(hours, rate):
+    """Расчет зарплаты: часы * ставка"""
+    return hours * rate
+
+def calculate_bonus(years, salary):
+    """Бонус за стаж: 10% за каждый год, но не больше 50%"""
+    bonus_percent = min(years * 0.1, 0.5)
+    return salary * bonus_percent
+
+def calculate_total(hours, rate, years):
+    """Итоговая зарплата с бонусом"""
+    base = calculate_salary(hours, rate)
+    bonus = calculate_bonus(years, base)
+    return base + bonus
+
+if __name__ == "__main__":
+    # Тест: 160 часов * 1000 = 160000, стаж 3 года = 30% бонус = 48000
+    total = calculate_total(160, 1000, 3)
+    print(f"Итого: {total}")
+    # Должно быть: 160000 + 48000 = 208000

mmy02@dorovskikh MINGW64 ~/OneDrive/Desktop/ДЗ/SURPO (main)
$ git checkout -b analysis/fix-tax a8bddda
Switched to a new branch 'analysis/fix-tax'

mmy02@dorovskikh MINGW64 ~/OneDrive/Desktop/ДЗ/SURPO (analysis/fix-tax)
$ git add salary.py

mmy02@dorovskikh MINGW64 ~/OneDrive/Desktop/ДЗ/SURPO (analysis/fix-tax)
$ git commit -m "hotfix: правильный расчет налога"
[analysis/fix-tax d25d93f] hotfix: правильный расчет налога
1 file changed, 6 insertions(+), 3 deletions(-)

```

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mmy02@dorovskikh MINGW64 ~/OneDrive/Desktop/ДЗ/SURPO (analysis/fix-tax)
$ git checkout main
Switched to branch 'main'
Your branch is ahead of 'origin/main' by 4 commits.
  (use "git push" to publish your local commits)

mmy02@dorovskikh MINGW64 ~/OneDrive/Desktop/ДЗ/SURPO (main)
$ git cherry-pick a8bddda
Auto-merging salary.py
CONFLICT (add/add): Merge conflict in salary.py
error: could not apply a8bddda... init: базовая зарплата
hint: After resolving the conflicts, mark them with
hint: "git add/rm <pathspec>", then run
hint: "git cherry-pick --continue".
hint: You can instead skip this commit with "git cherry-pick --skip".
hint: To abort and get back to the state before "git cherry-pick",
hint: run "git cherry-pick --abort".

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def calculate_salary(hours, rate):
    """Расчет зарплаты: часы * ставка"""
    return hours * rate

def calculate_bonus(years, salary):
    """Бонус за стаж: 10% за каждый год, но не больше 50%"""
    bonus_percent = min(years * 0.1, 0.5)
    return salary * bonus_percent

def calculate_tax(salary):
    """Налог 13%"""
    return salary * 0.13

def calculate_premium(projects):
    """Премия за проекты: 50000 за каждый проект"""
    return projects * 50000

def calculate_total(hours, rate, years, projects):
    """Итоговая зарплата с бонусом и премией"""
    base = calculate_salary(hours, rate)
    bonus = calculate_bonus(years, base)
    premium = calculate_premium(projects)
    total = base + bonus + premium
    tax = calculate_tax(total)
    return total - tax

if __name__ == "__main__":
    total = calculate_total(160, 1000, 3, 2)
    print(f"Итого: {total}")

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mmy02@dorovskikh MINGW64 ~/OneDrive/Desktop/ДЗ/SURPO (main|CHERRY-PICKING)
$ git add salary.py

mmy02@dorovskikh MINGW64 ~/OneDrive/Desktop/ДЗ/SURPO (main|CHERRY-PICKING)
$ git cherry-pick --continue
[main 49784b6] INIT: БАЗОВАЯ ЗАРПЛАТА, fixed
Date: Mon Mar 2 12:56:23 2026 +0300
1 file changed, 20 insertions(+)

```