







Relatório de Resultados do Mutmut Após Melhorias

| Total de Mutantes |  |  |  |  |  |  |
|-------------------|---|---|---|---|---|---|
| 13 | 13 | 0 | 0 | 0 | 0 | 0 |

| Mutante | Status | Classe/Método | Descrição da mutação |
|-------------------------------|--------|---------------|---|
| app.x\Task__init__mutmut_1 | Morto | Task.__init__ | Alteração no valor padrão do parâmetro completed: False → True |
| app.x\Task__init__mutmut_2 | Morto | Task.__init__ | Alteração do atributo self.id de id → None |
| app.x\Task__init__mutmut_3 | Morto | Task.__init__ | Alteração do atributo self.title de title → None |
| app.x\Task__init__mutmut_4 | Morto | Task.__init__ | Alteração do atributo self.description de description → None |
| app.x\Task__init__mutmut_5 | Morto | Task.__init__ | Alteração do atributo self.completed de completed → None |
| app.x\Task\to_dict__mutmut_1: | Morto | Task.to_dict | Alteração da chave "id" para "XXidXX" no dicionário retornado |
| app.x\Task\to_dict__mutmut_2: | Morto | Task.to_dict | Alteração da chave "id" para "ID" no dicionário retornado |
| app.x\Task\to_dict__mutmut_3: | Morto | Task.to_dict | Alteração da chave "title" para "XXtitleXX" no dicionário retornado |
| app.x\Task\to_dict__mutmut_4: | Morto | Task.to_dict | Alteração da chave "title" para "TITLE" no dicionário retornado |
| app.x\Task\to_dict__mutmut_5: | Morto | Task.to_dict | Alteração da chave "description" para "XXdescriptionXX" no dicionário retornado |
| app.x\Task\to_dict__mutmut_6: | Morto | Task.to_dict | Alteração da chave "description" para "DESCRIPTION" no dicionário retornado |
| app.x\Task\to_dict__mutmut_7: | Morto | Task.to_dict | Alteração da chave "completed" para "XXcompletedXX" no dicionário retornado |
| app.x\Task\to_dict__mutmut_8: | Morto | Task.to_dict | Alteração da chave "completed" para "COMPLETED" no dicionário retornado |

Lista dos mutantes detalhados a partir comando “mutmut show [nome do mutante]”:

```
# app.x\Task\__init__ mutmut_1: killed
--- app.py
+++ app.py
@@ -1,4 +1,4 @@
-def __init__(self, id, title, description, completed=False) -> None:
+def __init__(self, id, title, description, completed=True) -> None:
    self.id = id
    self.title = title
    self.description = description
```

```
# app.x\Task\__init__ mutmut_2: killed
--- app.py
+++ app.py
@@ -1,5 +1,5 @@
 def __init__(self, id, title, description, completed=False) -> None:
- self.id = id
+ self.id = None
    self.title = title
    self.description = description
    self.completed = completed
```

```
# app.x\Task\__init__ mutmut_3: killed
--- app.py
+++ app.py
@@ -1,5 +1,5 @@
 def __init__(self, id, title, description, completed=False) -> None:
    self.id = id
- self.title = title
+ self.title = None
    self.description = description
    self.completed = completed
```

```
# app.x\Task\__init__ mutmut_4: killed
--- app.py
+++ app.py
@@ -1,5 +1,5 @@
 def __init__(self, id, title, description, completed=False) -> None:
    self.id = id
    self.title = title
- self.description = description
+ self.description = None
    self.completed = completed
```

```
# app.x\Task\__init__ mutmut_5: killed
--- app.py
+++ app.py
```

```

@@@ -2,4 +2,4 @@@
    self.id = id
    self.title = title
    self.description = description
-   self.completed = completed
+   self.completed = None

# app.x\Task\to_dict__mutmut_1: killed
--- app.py
+++ app.py
@@@ -1,6 +1,6 @@@
def to_dict(self):
    return {
-       "id": self.id,
+       "XXidXX": self.id,
        "title": self.title,
        "description": self.description,
        "completed": self.completed,

# app.x\Task\to_dict__mutmut_2: killed
--- app.py
+++ app.py
@@@ -1,6 +1,6 @@@
def to_dict(self):
    return {
-       "id": self.id,
+       "ID": self.id,
        "title": self.title,
        "description": self.description,
        "completed": self.completed,

# app.x\Task\to_dict__mutmut_3: killed
--- app.py
+++ app.py
@@@ -1,7 +1,7 @@@
def to_dict(self):
    return {
        "id": self.id,
-       "title": self.title,
+       "XXtitleXX": self.title,
        "description": self.description,
        "completed": self.completed,
    }

# app.x\Task\to_dict__mutmut_4: killed
--- app.py
+++ app.py
@@@ -1,7 +1,7 @@@

```

```

def to_dict(self):
    return {
        "id": self.id,
-       "title": self.title,
+       "TITLE": self.title,
        "description": self.description,
        "completed": self.completed,
    }

# app.x\Task\to_dict__mutmut_5: killed
--- app.py
+++ app.py
@@ -2,6 +2,6 @@
    return {
        "id": self.id,
        "title": self.title,
-       "description": self.description,
+       "XXdescriptionXX": self.description,
        "completed": self.completed,
    }

# app.x\Task\to_dict__mutmut_6: killed
--- app.py
+++ app.py
@@ -2,6 +2,6 @@
    return {
        "id": self.id,
        "title": self.title,
-       "description": self.description,
+       "DESCRIPTION": self.description,
        "completed": self.completed,
    }

# app.x\Task\to_dict__mutmut_7: killed
--- app.py
+++ app.py
@@ -3,5 +3,5 @@
    "id": self.id,
    "title": self.title,
    "description": self.description,
-   "completed": self.completed,
+   "XXcompletedXX": self.completed,
    }

# app.x\Task\to_dict__mutmut_8: killed
--- app.py
+++ app.py
@@ -3,5 +3,5 @@

```

```
    "id": self.id,  
    "title": self.title,  
    "description": self.description,  
-    "completed": self.completed,  
+    "COMPLETED": self.completed,  
}
```