Generate candidate preconditions

```
def demonstration():..
class USER:..
class SYSTEM:..
  def INFORM(self, slot):
    assert _________
```

Code model

- isinstance(slot, str)
- self.db_status in DB_STATUS
- (len(slot) > 0)
- not self.db_status == DB_STATUS.NONE
- self.user.requested_slot[slot]

...

Validate with Execution

```
def demonstration():..
class USER:..
class SYSTEM:..
  def INFORM(self, slot):
    assert isinstance(slot, str)
demonstration()
```



```
def demonstration():..
class USER:..
class SYSTEM:..
  def INFORM(self, slot):
    assert self.user.informed_slot[slot]
demonstration()
```



Candidate Ranking

```
(self.user.no_more == False)
not self.user.no_more"
```

>

```
self.user.informed_slot[slot] == False
```

>

```
isinstance(slot, str)
self.db_status in DB_STATUS
(len(slot) > 0)
not self.user.informed_intent[slot]
```