```python
def register(f):
  def validate(x):
    if isinstance(x,int):
      f(x)
    else:
      print('Invalid datatype')
  return validate

def square(i):
  print(i**2)

def cube(j):
  print(j**3)
```

```python
sq = register(square)
```

sq(10)

register →

```python
def validate(x):
  if isinstance(x,int):
    f(x)
  else:
    print('Invalid datatype')
return validate
```

Square →

```python
print(i**2)
```

validate →

sq →

```python
if isinstance(x,int):
  f(x)
else:
  print('Invalid datatype')
```

f(x) → Square

```python
def filterint(f):
  def validate(i):
    if isinstance(i,int):
      f(i)
    else:
      print('Invalid datatype')
      return False
  return validate

def iseven(x):
  if x % 2 == 0:
    return True
  else:
    return False
```

```python
even = filterint(iseven)
even('dfsdal')
```

validate

even

```python
if isinstance(i,int):
  f(i)
else:
  print('Invalid datatype')
  return False
```

```python
def filterint(f):
  def validate(i):
    if isinstance(i,int):
      f(i)
    else:
      print('Invalid datatype')
      return False
  return validate

def iseven(x):
  if x % 2 == 0:
    return True
  else:
    return False
```

```python
iseven = filterint(iseven)
iseven('dfsdal')
```

validate

```python
if isinstance(i,int):
  f(i)
else:
  print('Invalid datatype')
  return False
```

iseven

```
def filterint(f):
  def validate(i):
    if isinstance(i,int):
      f(i)
    else:
      print('Invalid datatype')
      return False
  return validate
```

```
def iseven(x):
  if x % 2 == 0:
    return True
  else:
    return False

iseven = filterint(iseven)
print(iseven(12.234))
```