

HashMap contacts

```
Jane's Addr <-- This is my key
num = 3
street = "Main Street"
zipcode = 01609
```

```
Jane's Contact <-- This is my value
name = "Jane"
phone = "555-555-5555"
email = "abc@123.com"
address = the address defined above
```

```
put(Jane's Addr, Jane's Contact)
get(Jane's Addr)
```

```
hashCode()
```

For the above address,

```
this.num * 3 + this.street.hashCode() * 11 + this.zipcode * 29 = 329
```

HashMap contacts

contacts starts at memory address 0x100

so Jane's contact, which corresponds to the above address, should go in
memory location 0x100 + 329

| Hashed Key | | Value |
|------------|--|-------|
|------------|--|-------|

| | | |
|-------|--|--|
| ----- | | |
|-------|--|--|

| | | |
|-------------|--|----------------|
| 0x100 + 329 | | Jane's Contact |
|-------------|--|----------------|