# getUserOperationHash

Generates the hash of the User Operation as calculated by the EntryPoint .

## Import

```
import{ getUserOperationHash }from"permissionless"
```

## Usage

```
import{ getUserOperationHash, ENTRYPOINT_ADDRESS_V07 }from"permissionless"

constuserOperationHash=getUserOperationHash({ userOperation:..., chainId:5, entryPoint:ENTRYPOINT_ADDRESS_V07
}) // "0xf0d56baa398828898360589d5ef75b24b12be0829ef1e1037013d1b6d9dda1f2"
```

## Returns

Hash

The hash of the User Operation

## Parameters

### userOperation

- Type:
- UserOperation

The User Operation to hash.

### chainId

- Type:
- number

The chain ID of the chain on which the User Operation is being executed.

### entryPoint

- Type:
- Address

The entry point address.