NAME
Net::DNS::Question − DNS question record

SYNOPSIS
```
use Net::DNS::Question;


$question = new Net::DNS::Question('example.com', 'AAAA', 'IN');
```

DESCRIPTION
A Net::DNS::Question object represents a record in the question section of a DNS packet.

METHODS

new
```
$question = new Net::DNS::Question('example.com', 'AAAA', 'IN');
$question = new Net::DNS::Question('example.com', 'A', 'IN');
$question = new Net::DNS::Question('example.com');


$question = new Net::DNS::Question('2001::DB8::dead:beef', 'PTR', 'IN');
$question = new Net::DNS::Question('2001::DB8::dead:beef');
```

Creates a question object from the domain, type, and class passed as arguments. One or both type and class arguments may be omitted and will assume the default values shown above.

RFC4291 and RFC4632 IP address/prefix notation is supported for queries in both in−addr.arpa and ip6.arpa namespaces.

decode
```
$question = decode Net::DNS::Question(\$data, $offset);


($question, $offset) = decode Net::DNS::Question(\$data, $offset);
```

Decodes the question record at the specified location within a DNS wire-format packet. The first argument is a reference to the buffer containing the packet data. The second argument is the offset of the start of the question record.

Returns a Net::DNS::Question object and the offset of the next location in the packet.

An exception is raised if the object cannot be created (e.g., corrupt or insufficient data).

encode
```
$data = $question->encode( $offset, $hash );
```

Returns the Net::DNS::Question in binary format suitable for inclusion in a DNS packet buffer.

The optional arguments are the offset within the packet data where the Net::DNS::Question is to be stored and a reference to a hash table used to index compressed names within the packet.

print
```
$object->print;
```

Prints the record to the standard output. Calls the **string()** method to get the string representation.

string
```
print "string = ", $question->string, "\n";
```

Returns a string representation of the question record.

name
```
$name = $question->name;
```

Internationalised domain name corresponding to the qname attribute.

Decoding non-ASCII domain names is computationally expensive and undesirable for names which are likely to be used to construct further queries.

When required to communicate with humans, the 'proper' domain name should be extracted from a query

or reply packet.

```
$query = new Net::DNS::Packet( $example, 'ANY' );
$reply = $resolver->send($query) or die;
($question) = $reply->question;
$name = $question->name;
```

qname, zname

```
$qname = $question->qname;
$zname = $question->zname;
```

Fully qualified domain name in the form required for a query transmitted to a nameserver. In dynamic update packets, this attribute is known as **zname()** and refers to the zone name.

qtype, ztype, type

```
$qtype = $question->type;
$qtype = $question->qtype;
$ztype = $question->ztype;
```

Returns the question type attribute. In dynamic update packets, this attribute is known as **ztype()** and refers to the zone type.

qclass, zclass, class

```
$qclass = $question->class;
$qclass = $question->qclass;
$zclass = $question->zclass;
```

Returns the question class attribute. In dynamic update packets, this attribute is known as **zclass()** and refers to the zone class.

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SEE ALSO

perl, Net::DNS, Net::DNS::DomainName, Net::DNS::Packet, RFC 1035 Section 4.1.2