3.1 Get methods

```
string fifo_hid.get_reset_name();
string fifo_hid.get_clock_name();
string fifo_hid.get_rd_clock_name();
string fifo_hid.get_wr_clock_name();
string fifo_hid.get_push_name();
string fifo_hid.get_pop_name();
string fifo_hid.get_full_name();
string fifo_hid.get_empty_name();
string fifo_hid.get_wr_data_name();
string fifo_hid.get_rd_data_name();
string fifo_hid.get_valid_name();
```

3.2 Csl_fifo get methods

```
string fifo_hid.get_reset_name();
```

DESCRIPTION :

It gets the *name* for the reset port of fifo.

[Get methods]

Sets the reset name for a unit named *u* using get_reset_name() method.

CSL CODE

```
csl_fifo FO{
FO(){
set_width(32);
set_depth(4);
set_reset_name("rst");
}
};
csl_unit u{
csl_signal sig;
FO FO;
u(){
set_signal_prefix(FO.get_reset_name());}
};
```

VERILOG CODE

```
string fifo_hid.get_clock_name();
```

DESCRIPTION :

It get the *name* for the clock port of fifo.

[Get methods]

Sets the clock name for a unit named *u* using get_clock_name() method.

CSL CODE

```
csl_fifo FO{
FO(){
set_width(32);
set_depth(4);
set_clock_name("clk");
}
};
csl_unit u{
csl_signal sig;
FO FO;
u(){
set_signal_prefix(FO.get_clock_name());  }
};
```

VERILOG CODE

```
string fifo_hid.get_rd_clock_name();
```

DESCRIPTION :

It gets the *name* for the read clock port of fifo.

[Get methods]

Sets the read clock name for a unit named *u* using get_rd_clock_name() method.

CSL CODE

```
csl_fifo FO{
FO(){
set_width(32);
set_depth(4);
set_rd_clock_name("rd_clk");
}
};
csl_unit u{
csl_signal sig;
FO FO;
u(){
set_signal_prefix(FO.get_rd_clock_name());  }
};
```

VERILOG CODE

```
string fifo_hid.get_wr_clock_name();
```

DESCRIPTION :

It gets the *name* for the write clock port of fifo.

[Get methods]

Sets the write clock name for a unit named *u* using get_wr_clock_name() method.

CSL CODE

```
csl_fifo FO{
FO(){
set_width(32);
set_depth(4);
set_wr_clock_name("wr_clk");
}
};
csl_unit u{
csl_signal sig;
FO FO;
u(){
set_signal_prefix(FO.get_wr_clock_name());  }
};
```

VERILOG CODE

```
string fifo_hid.get_push_name();
```

DESCRIPTION :

It gets the *name* for the push port of fifo.

[Get methods]

Sets the push port name for a unit named *u* using get_push_name() method.

CSL CODE

```
csl_fifo FO{
FO(){
set_width(32);
set_depth(4);
set_push_name("push");
}
};
csl_unit u{
csl_signal sig;
FO FO;
u(){
set_signal_prefix(FO.get_push_name());}
};
```

VERILOG CODE

```
tring fifo_hid.get_pop_name();
```

DESCRIPTION :

It gets the *name* for the pop port of fifo.

[Get methods]

Sets the pop port name for a unit named *u* using get_pop_name() method.

CSL CODE

```
csl_fifo FO{
FO(){
set_width(32);
set_depth(4);
set_pop_name("pop");
}
};
csl_unit u{
csl_signal sig;
FO FO;
u(){
set_signal_prefix(FO.get_pop_name());  }
};
```

VERILOG CODE

```
string fifo_hid.get_full_name();
```

DESCRIPTION :

It gets the *name* for the full port of fifo.

[Get methods]

Sets the full port name for a unit named *u* using get_full_name() method.

CSL CODE

```
csl_fifo FO{
FO(){
set_width(32);
set_depth(4);
set_full_name("full");
}
};
csl_unit u{
csl_signal sig;
FO FO;
u(){
set_signal_prefix(FO.get_full_name());  }
};
```

VERILOG CODE

```
string fifo_hid.get_empty_name();
```

DESCRIPTION :

It gets the *name* for the empty port of fifo.

[Get methods]

Sets the empty port name for a unit named *u* using get_empty_name() method.

CSL CODE

```
csl_fifo FO{
FO(){
set_width(32);
set_depth(4);
set_empty_name("empty");
}
};
csl_unit u{
csl_signal sig;
FO FO;
u(){
set_signal_prefix(FO.get_empty_name()); }
};
```

VERILOG CODE

```
string fifo_hid.get_wr_data_name();
```

DESCRIPTION :

It gets the *name* for the wr_data port of fifo.

[Get methods]

Sets the write data port name for a unit named *u* using get_wr_data_name() method.

CSL CODE

```
csl_fifo FO{
FO(){
set_width(32);
set_depth(4);
set_wr_data_name("write_data");
}
};
csl_unit u{
csl_signal sig;
FO FO;
u(){
set_signal_prefix(FO.get_wr_data_name());  }
};
```

VERILOG CODE

```
string fifo_hid.get_rd_data_name();
```

DESCRIPTION :

It gets the *name* for the rd_data port of fifo.

[Get methods]

Sets the read data port name for a unit named *u* using get_rd_data_name() method.

CSL CODE

```
csl_fifo FO{
FO(){
set_width(32);
set_depth(4);
set_rd_data_name("read_data");
}
};
csl_unit u{
csl_signal sig;
FO FO;
u(){
set_signal_prefix(FO.get_rd_data_name());  }
};
```

VERILOG CODE

```
string fifo_hid.get_valid_name();
```

DESCRIPTION :

It gets the *name* for the valid port of fifo.

[Get methods]

Sets the valid port name for a unit named *u* using get_valid_name() method.

CSL CODE

```
csl_fifo FO{
FO(){
set_width(32);
set_depth(4);
set_valid_name("valid");
}
};
csl_unit u{
csl_signal sig;
FO FO;
u(){
set_signal_prefix(FO.get_valid_name());  }
};
```

VERILOG CODE