

# SSUB\$\$ - Extract Sub-String from String

The SSUB\$\$ routine can be used to extract a sub-string from a longer string.

## 1. Invocation

To extract a sub-string from a string code:

```
CALL SSUB$$ USING strptr len1 offset len2
```

where *ptr* is a PIC PTR variable that points to the PIC X(?) string, *len1* is a PIC 9(4) COMP variable containing the length of the string to be returned; *offset* is the offset of the start of the sub-string to be extracted; and *len2* is the length of the sub-string to be extracted.

## 2. STOP Codes and Exception Conditions

No STOP codes are generated by SSUB\$\$.

The following exceptions are returned by SSUB\$:

EXIT code	Description
1	The length or offset is not in the range 1 to 2047, inclusive.

## 3. Programming Notes

The first parameter passed to SSUB\$\$ **MUST** be a PIC PTR pointer to the text-string i.e. **NOT** the text-string itself.

## 4. Examples

For example if a PIC X(9) field contains "ABCDEFGHI", and PSTRING points to the string, then calling SUBS\$\$ with these values:

```
CALL SUBS$$ USING PSTRING 9 2 4
```

will replace the above string with "BCDE ".

## 5. Copy-Books

No copy-books are required.

## 6. See Also

None.