

CALL/WHATSAPP - 8970853557 / 9448005273

IICS COMBO

AGGREGATOR TRANSFORMATION

An Active, connected

min()

max()

sum()

avg()

count()

**SELECT SUM(STIPEND) FROM STUDENTS GROUP BY
COORDINATOR_ID;**

WE

**SELECT COORDINATOR_ID ,SUM(STIPEND) FROM STUDENTS GROUP
BY COORDINATOR_ID;**

**SELECT COORDINATOR_ID ,SUM(STIPEND),COUNT(*) FROM
STUDENTS GROUP BY COORDINATOR_ID;**

YOU CANT ONE MORE NON AGG FUNCTION

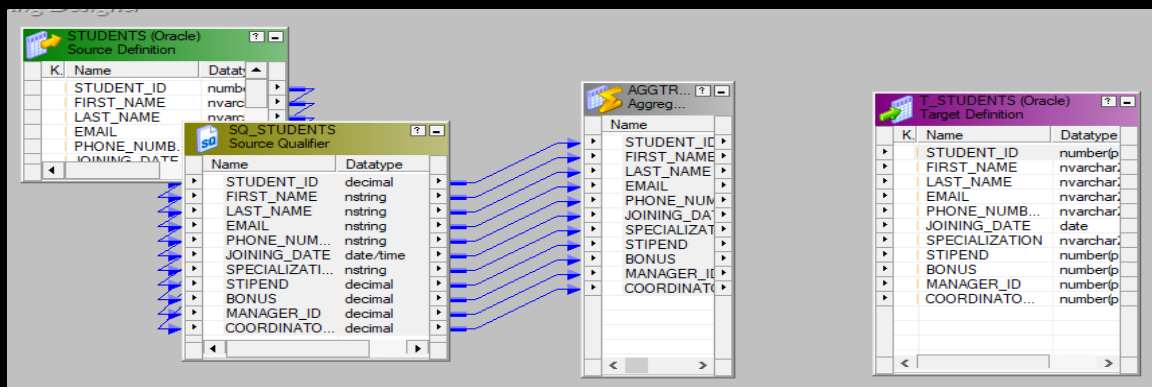
YOU NEED TO PUT AFTER THE GROUP

Create a mapping

>>SORTING

>>AGGREGATIO

LETS CREATE A MAPPING DOUBLE CLICK ON AGGREGATOR GO TO PROPERTIES



Edit Transformations

Transformation | Ports | Properties | Metadata Extensions

Select transformation: **AGGTRANS**

Transformation type: Aggregator

Transformation Attribute	Value
Cache Directory	\$PMCacheDir
Tracing Level	Normal
Sorted Input	<input type="checkbox"/>
Aggregator Data Cache Size	Auto
Aggregator Index Cache Size	Auto
Transformation Scope	All Input


CHACHE DIRECTORY >> THAT IS WHAT IT WILL MAKING THE CACHING

DATA CACHE >> DATA WILL BE STORED IN DATA CACHE

BOTH AGG DATA & AGG INDEX INFORMATICA WILL TAKE CARE

IT WILL AUTOMATICALLY CREATE THE CACHE MEMNORY IN FUTURE IF THE RECORD OR VOLUME IS INCREASING THAN IT WILL TAKE CARE AUTOMATICALLY




GO FOR MAX STIPEND

Object transformation:  AGGTRANS

Transformation type: Aggregator

Port Name	Datatype	Prec	Scale	I	O	V	Expression	GroupBy
STUDENT_ID	decimal	6	0	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	STUDENT_ID	<input type="checkbox"/>
FIRST_NAME	nstring	20	0	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	FIRST_NAME	<input type="checkbox"/>
LAST_NAME	nstring	25	0	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	LAST_NAME	<input type="checkbox"/>
EMAIL	nstring	25	0	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EMAIL	<input type="checkbox"/>
PHONE_NUMBER	nstring	20	0	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	PHONE_NUMBER	<input type="checkbox"/>
JOINING_DATE	date/time	29	9	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	JOINING_DATE	<input type="checkbox"/>
SPECIALIZATION	nstring	20	0	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	SPECIALIZATION	<input type="checkbox"/>
STIPEND	decimal	10	2	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>
SUM_STIPEND	decimal	10	2	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	SUM(STIPEND)	<input checked="" type="checkbox"/>
BONUS	decimal	10	2	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	BONUS	<input type="checkbox"/>
MANAGER_ID	decimal	6	0	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	MANAGER_ID	<input type="checkbox"/>
COORDINATOR_ID	decimal	10	0	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	COORDINATOR_ID	<input type="checkbox"/>

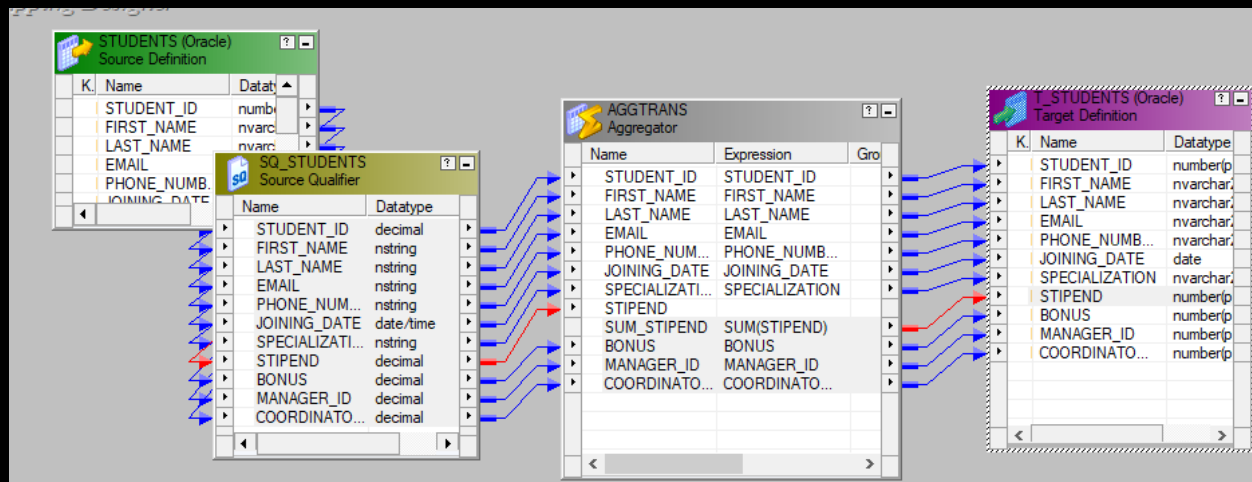
SELECT SUM(STIPEND) FROM STUDENTS;

   SQL | All Rows

	SUM(STIPEND)
1	747016

WHERE IT WILL SHOW IN POWER CENTER ??

IN THE LAST ROW



SELECT BACK TRACK FROM TARGET (RIGHT CLICK AT LINK PATH)

Repositories	Workflow Run	Start Time	Completion Time	Status
REPO	WF_AGG_TRANSF21	8/10/2023 6:04:10 PM	8/10/2023 6:04:16 PM	Succeeded
is	WF_AGG_TRANSF21	8/10/2023 6:04:10 PM	8/10/2023 6:04:13 PM	Succeeded
IICS COMBO	s_M_AGGREGATOR...	8/10/2023 2:33:25 PM	8/10/2023 2:33:28 PM	Succeeded
WF_AGG_	WF_SORTER_TRANSFORM...	8/10/2023 2:33:25 PM	8/10/2023 2:33:28 PM	Succeeded
WF_SORT	s_M_SORTER_TRA...	8/10/2023 2:33:25 PM	8/10/2023 2:33:28 PM	Succeeded

Source/Target Statistics	Transformation Name	Node	Applied Rows	Affected Rows	Rejected Rows	Throughput (Rows/Sec)	Throughput (B)
	SQ_STUDENTS	node01	124	124	0	124	21204
	T_STUDENTS	node01	1	1	0	1	171

EVEN IT IS EN NO OF RECORD IT WILL RECEIVE ONLY ONE RECORD ,

STUDENT_ID	FIRST_NAME	LAST_NAME	EMAIL	PHONE_NUMBER	JOINING_DATE
1	218 Kevin	Feeney	KFEENEY	650.507.9822	23-MAY-0

INSTEAD OF THIS KEVIN SALARY YOU ARE GETTING SUM OF SALARY

IF YOU ENABLE THE GROUP BY OF SPECIALIZATION

Transformation type: Aggregator

Port Name	Datatype	Prec	Scale	I	O	V	Expression	GroupBy
STUDENT_ID	decimal	6	0	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	STUDENT_ID	<input type="checkbox"/>
FIRST_NAME	nstring	20	0	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	FIRST_NAME	<input type="checkbox"/>
LAST_NAME	nstring	25	0	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	LAST_NAME	<input type="checkbox"/>
EMAIL	nstring	25	0	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EMAIL	<input type="checkbox"/>
PHONE_NUMBER	nstring	20	0	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	PHONE_NUMBER	<input type="checkbox"/>
JOINING_DATE	date/time	29	9	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	JOINING_DATE	<input type="checkbox"/>
SPECIALIZATION	nstring	20	0	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	SPECIALIZATION	<input checked="" type="checkbox"/>
STIPEND	decimal	10	2	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>
SUM_STIPEND	decimal	10	2	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	SUM(STIPEND)	<input type="checkbox"/>
BONUS	decimal	10	2	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	BONUS	<input type="checkbox"/>
MANAGER_ID	decimal	6	0	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	MANAGER_ID	<input type="checkbox"/>
COORDINATOR_ID	decimal	10	0	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	COORDINATOR_ID	<input type="checkbox"/>

IT WILL GIVE 7 RECORDS

Worksheet: Query Builder

SELECT * FROM T_STUDENTS;

Query Result x

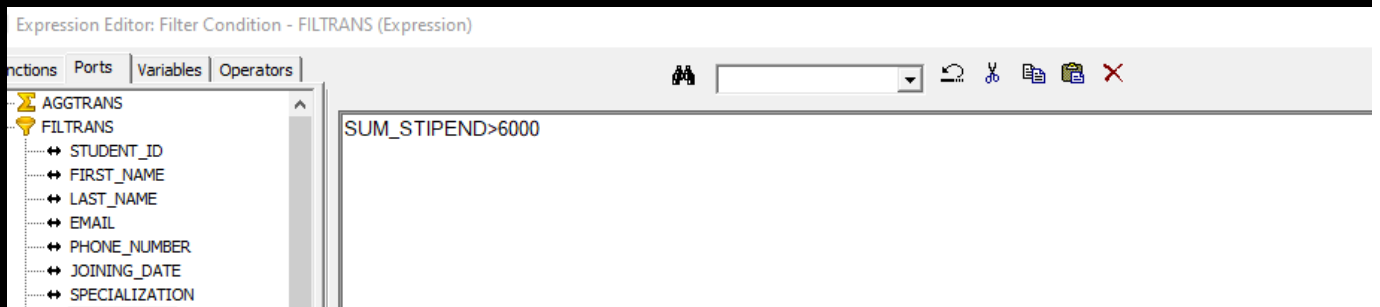
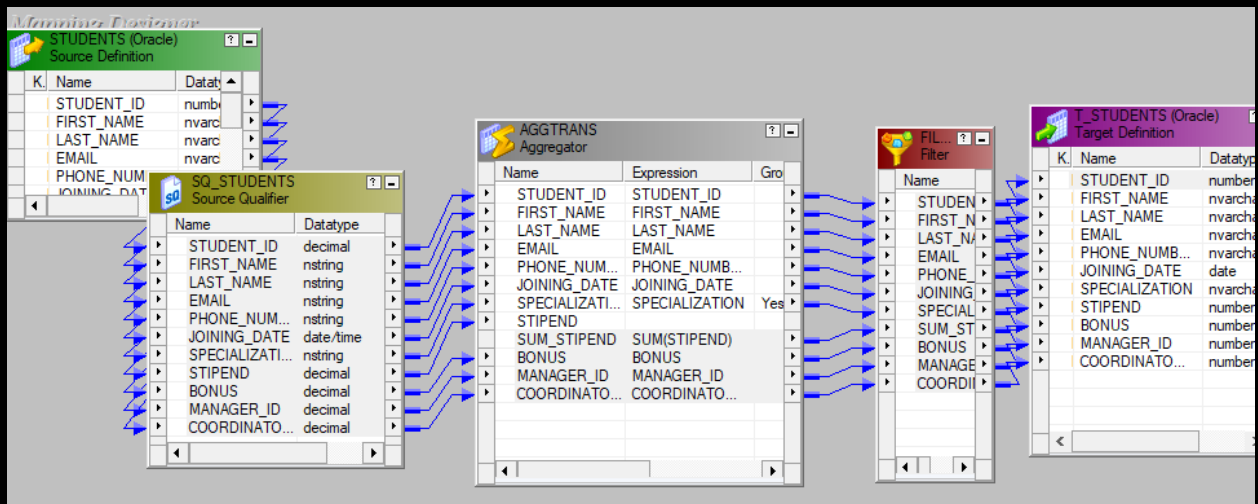
All Rows Fetched: 7 in 0.005 seconds

	PHONE_NUMBER	JOINING_DATE	SPECIALIZATION	STIPEND	BONUS	MANAGER_ID
1	650.127.1634	06-FEB-08	IICS	44300	(null)	122
2	650.123.2234	10-APR-05	IICSCOMBO	179508	(null)	100
3	515.123.8181	07-JUN-02	POWERBI	81408	(null)	205
4	011.44.1344.129268	30-JAN-05	POWERCENTER	102600	0.3	145
5	650.501.1876	04-FEB-04	SSIS	93100	(null)	123
6	650.507.9822	23-MAY-06	TABLUE	55600	(null)	124
7	011.44.1343.329268	21-APR-08	TALEND	190500	0.1	148

7 DIFFERENT SPECIALIZATION SEVEN RECORDS

HOW TO USE HAVING CLAUSE ?

ADD A FILTER AFTER AGGREGATOR



SUM_STIPEND > 6000 SPECIALIZATION WISE

Repositories		Workflow Run		Start Time	Completion Time	Status
REPO	is	WF_AGG_TRANSF21	WF_AGG_TRANSF21	8/10/2023 6:26:53 PM	8/10/2023 6:27:03 PM	Succeeded
	IICS COMBO	s_M_AGGREGATOR...	s_M_AGGREGATOR...	8/10/2023 6:26:54 PM	8/10/2023 6:26:58 PM	Succeeded
	WF_AGG_	WF_AGG_TRANSF21	WF_AGG_TRANSF21	8/10/2023 6:26:04 PM	8/10/2023 6:26:09 PM	Succeeded
	WF_SORT	s_M_AGGREGATOR...	s_M_AGGREGATOR...	8/10/2023 6:26:04 PM	8/10/2023 6:26:06 PM	Succeeded
		WF_AGG_TRANSF21	WF_AGG_TRANSF21	8/10/2023 6:23:33 PM	8/10/2023 6:23:39 PM	Succeeded
		s_M_AGGREGATOR...	s_M_AGGREGATOR...	8/10/2023 6:23:33 PM	8/10/2023 6:23:35 PM	Succeeded
		WF_AGG_TRANSF21	WF_AGG_TRANSF21	8/10/2023 6:12:08 PM	8/10/2023 6:12:16 PM	Succeeded

Gantt Chart

Task View

AGGREGATOR_TRANSFORMATION21 [8/10/2023 6:26:53 PM]

< Details

Source/Target Statistics

Information Name	Node	Applied Rows	Affected Rows	Rejected Rows	Throughput (Rows/Sec)	Throughput (Bytes/Sec)
Q_STUDENTS	node01	124	124	0	124	21204
_STUDENTS	node01	5	5	0	5	855

You can add sorter transformation before agg

You should enable sorted input

If not given sorter it will fail

LET US DO THE SAME IN IICS PLATFORM

Design

Source Aggregator Target

Properties Preview Aggregator

General

Incoming Fields

Group By

Aggregate

Advanced

Create simple aggregate expressions. You can also use expression macros to create complex aggregate expressions.

☐ Allow additional fields and expressions during task creation

Aggregate

Field Name	Expression	Type	Precision	Scale	Field Description	Link Path
No Aggregator fields specified.						

+

New Field

Create new output field, variable field, input macro field or output macro field.

Field Type: Output Field

Name: * o_SUM_STIPEND

Type: * decimal

Precision: * 10

Scale: 0

Description:

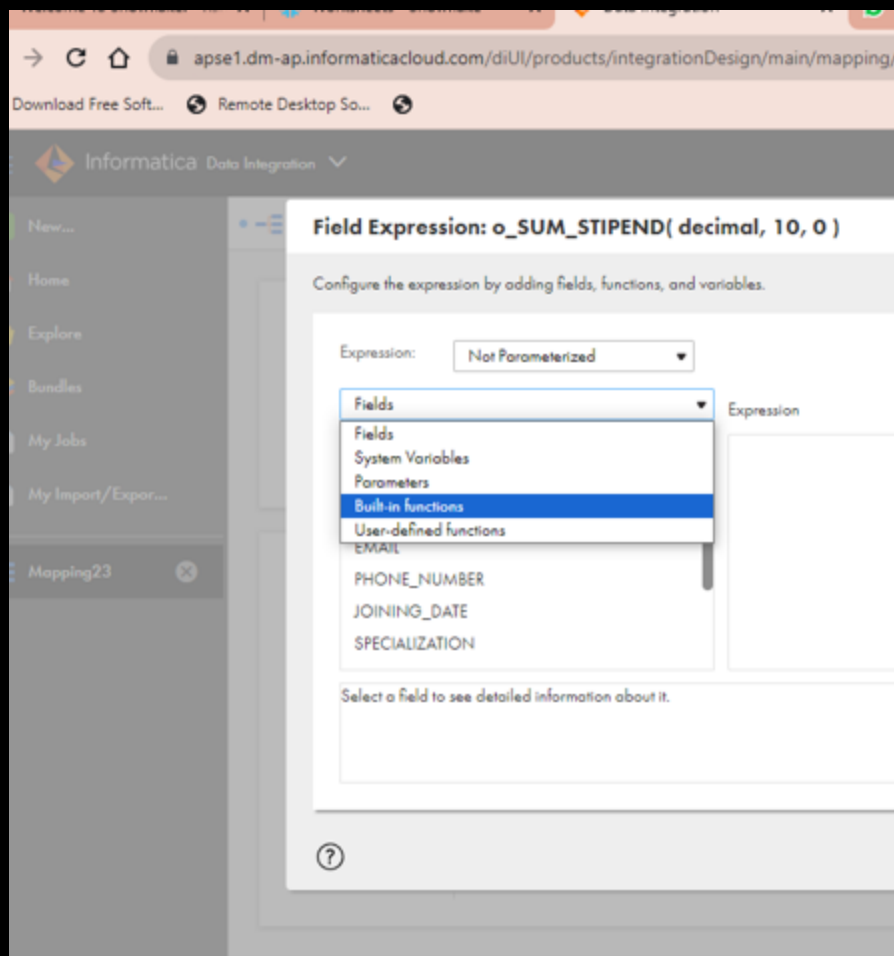
?

OK Cancel

CLICK ON CONFUGURE

General	Create simple aggregate expressions. You can also use expression macros to create complex aggregate expressions.					
Incoming Fields	<input type="checkbox"/> Allow additional fields and expressions during task creation					
Group By	Aggregate +					
Aggregate	Field Name	Expression	Type	Precision	Scale	Field Description
Advanced	o_SUM_STIPEND	Configure...	decimal	10	0	Link Path

IT IS LIKE EXPRESSION TRANSFORMATION



Configure the expression by adding fields, functions, and variables.

Expression: Not Parameterized

Built-in functions

- ▶ All functions
- ▼ Aggregate
 - fx* Avg
 - fx* Count
 - fx* First
 - fx* Last
 - fx* Max

Expression

Sum(n)

THIS AGGREGATOR IS NOT AVAILABLE IN EXPRESSION

Configure the expression by adding fields, functions, and variables.

Expression: Not Parameterized

☒ The expression is valid.

Fields

- PHONE_NUMBER
- JOINING_DATE
- SPECIALIZATION
- STIPEND
- BONUS
- MANAGER_ID
- COORDINATOR_ID

Expression

Sum(STIPEND)

Validate

My Jobs | Data Integration

Jobs (1 of 90) ☒ Up to date Updated 6:40:54 AM PDT

Asset Name: Mapping24 ▼ ⓧ Add Field ▼

Instance Name	Location	Subtasks	Start Time	End Time	Rows Processed	Status
Mapping24-1	Default		Aug 10, 2023, 6:39 AM	Aug 10, 2023, 6:...	1	<input checked="" type="checkbox"/> Success

the 1990s, the number of people in the world who are under 15 years of age has increased from 1.1 billion to 1.5 billion. This increase is due to a combination of factors, including a decline in infant mortality rates, a decline in the age at which women have their first child, and a decline in the age at which women have their second child.

The increase in the number of people in the world who are under 15 years of age has led to a number of challenges for the world's governments. One of the most significant challenges is the need to provide education for all children. In many developing countries, the majority of children are out of school, and the quality of education is often poor.

Another challenge is the need to provide health care for all children. In many developing countries, the majority of children do not have access to basic health care, and the quality of health care is often poor. This leads to a high rate of infant mortality and a high rate of child morbidity.

A third challenge is the need to provide food and shelter for all children. In many developing countries, the majority of children live in poverty, and they often do not have access to basic food and shelter. This leads to a high rate of malnutrition and a high rate of homelessness.

The challenges facing the world's governments are significant, but they are not insurmountable. If the world's governments work together, they can provide education, health care, food, and shelter for all children. This will lead to a more peaceful and prosperous world for all.

The world's governments have a responsibility to provide education, health care, food, and shelter for all children. This is not only a moral obligation, but it is also a practical one. A world in which all children are educated, healthy, and well-fed is a world in which there is a better chance of peace and prosperity for all.

The world's governments have a responsibility to provide education, health care, food, and shelter for all children. This is not only a moral obligation, but it is also a practical one. A world in which all children are educated, healthy, and well-fed is a world in which there is a better chance of peace and prosperity for all.

The world's governments have a responsibility to provide education, health care, food, and shelter for all children. This is not only a moral obligation, but it is also a practical one. A world in which all children are educated, healthy, and well-fed is a world in which there is a better chance of peace and prosperity for all.

The world's governments have a responsibility to provide education, health care, food, and shelter for all children. This is not only a moral obligation, but it is also a practical one. A world in which all children are educated, healthy, and well-fed is a world in which there is a better chance of peace and prosperity for all.

The world's governments have a responsibility to provide education, health care, food, and shelter for all children. This is not only a moral obligation, but it is also a practical one. A world in which all children are educated, healthy, and well-fed is a world in which there is a better chance of peace and prosperity for all.

The world's governments have a responsibility to provide education, health care, food, and shelter for all children. This is not only a moral obligation, but it is also a practical one. A world in which all children are educated, healthy, and well-fed is a world in which there is a better chance of peace and prosperity for all.

The world's governments have a responsibility to provide education, health care, food, and shelter for all children. This is not only a moral obligation, but it is also a practical one. A world in which all children are educated, healthy, and well-fed is a world in which there is a better chance of peace and prosperity for all.